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Vaughan's

79TH YEAR 1955

Gardening Illustrated

CHICAGO 10 W. RANDOLPH ST.

NEW YORK 47 BARCLAY ST.

The New Grandiflora Roses



These Are the Grandiflora Varieties Illustrated Above

BUCCANEER (Pat. 1119) This moderately fragrant, brilliant flashing yellow has lots of pep and is unfading in the hot summer sun. Healthy dark green foliage. **\$2.75; 3 for \$7.50.**

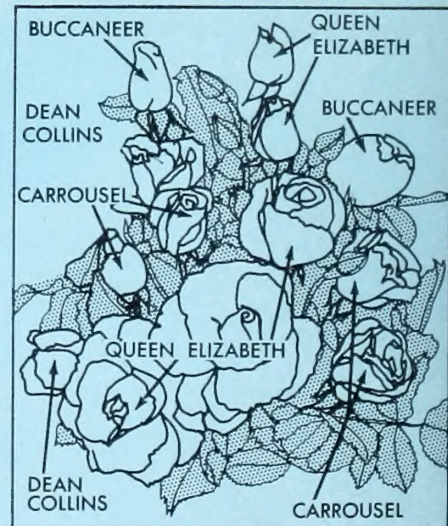
CARROUSEL (Pat. 1066) A happy rose with perfect, dark velvety red blooms, long lasting on the bush and also when cut. Extremely resistant to heat, drought, mildew and blackspot. **\$2.00; 3 for \$5.50.**

DEAN COLLINS (Pat. 1279) "The Lazy Gardener's Rose." So called because it is a "toughy" and will perform beau-

tifully with a minimum of care. The luminous rose-opal blooms are long lasting; foliage glossy, dark green and disease resistant. **\$2.50; 3 for \$6.75.**

QUEEN ELIZABETH ALL-AMERICAN WINNER 1955 (Pat. 1259) The superb pure orchid pink blooms actually grow richer and more beautiful with age and last longer when cut than any other garden rose. The showy, fragrant blooms are majestically set off with dark green, heavy textured, glossy foliage. **\$3.00; 3 for \$8.25.**

OFFER C-15 One each of Buccaneer, Carrousel, Dean Collins and Queen Elizabeth (value \$10.25) for \$9.45 postpaid.



ILLUSTRATED ON
OPPOSITE PAGE

Offer C-15

One each of

Buccaneer Carrousel
Dean Collins Queen Elizabeth
Value \$10.25

**ALL 4 FOR \$9.45
POSTPAID**

4 ROSES

OF NEW GRANDIFLORA CLASS

So many new roses do not fit the classifications already in use, that a new class has been established by rosarians, called Grandifloras.

Merits of both Everblooming Hybrid Teas and Floribundas are combined in Grandifloras, of which the four pictured on the opposite page are the outstanding examples so far produced.

In size of flower and length of stem, grandifloras surpass floribundas, but both share the delightful habit of bearing flowers in clusters. More and bigger flowers, on taller bushes, reward grandiflora growers. Plants grow tall enough for background use in borders, while stems even in clusters are long enough for flower arrangements.



HANDSOM RED

FAMOUS PATENTED FLORIBUNDAS

4 FOR \$6.25

Not all new, but still all tops in their color class.

OFFER C-25—One each as listed below (value \$7.00) for \$6.25 postpaid.

FASHION AARS 1952. (Pat. 789). An unusually beautiful Floribunda that brings an entirely new color into the rose world. A sparkling coral-pink, overlaid with gold, which softens to a clear coral and then deepens to reddish tones at the finishing stage. Pointed, Oriental red buds open gradually into lovely, miniature Hybrid Teas up to 3½ inches across. Old rose fragrance. \$2.00; 3 for \$5.50.

MA PERKINS AARS 1953. (Pat. 1143) This rose will produce hundreds of blooms, in huge cluster and singly, all season long. The lovely coral buds, shaded red in the outer petals, open slowly to 3½ inch blooms of sparkling coral-shell pink, suffused with yellow. Rich and unusual sweet fragrance. \$2.00; 3 for \$5.50.

GOLDLOCKS. (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters, always in bloom. Wild rose fragrance. \$1.50; 3 for \$4.25.

RED PINOCCHIO. (Pat. 812). Prolific producer of 3½ inch flowers of velvety deep red in large, long lasting, unfading clusters. Wild rose fragrance. \$1.50; 3 for \$4.25.

NEW 1955 ALL-AMERICA FLORIBUNDA ROSE

JIMINY CRICKET AARS 1955 (Pat. App. For). This is a Floribunda with a brand new color. Exquisite urn-shaped buds of tangerine-red open into beautifully formed blooms of coral orange and finish to a coral-pink. It is fragrant with a true rose scent. Plant is extremely hardy, is tall growing and blooms from June until frost. \$2.50; 3 for \$6.75.

**SUB-ZERO
Roses**
4 for \$7.75



Offer C-45—One each as Listed Below, (value \$8.60) for \$7.75 postpaid.

Everblooming Roses

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters.

CURLY PINK. (Pat. 842). You will love this rose for it is one of the finest of all pinks. We know of no other variety that can match it in the combination of size and form of bloom, beauty of cluster; constancy, vigor and fragrance. When established, many large, very double, two-toned, rich rose-pink blossoms, of hybrid tea size, form a gorgeous bouquet on a single stem. \$1.75; 3 for \$5.00.

DELIGHTFUL (Pat. App. For). Beautiful new, full double yellow of graceful and enticing form. On the same bush are brilliant bright yellow flowers, others glistening yellow ochre, all splashed and sketched with crimson markings. \$2.00; 3 for \$5.50.

HANDSOME RED (Pat. 1182). New ovoid buds open to high centered, full double, moderately fragrant blooms that have their own wonderful velvety sheen. Tall, upright bushy plants. Abundant, continuous bloom. \$3.00; 3 for \$8.25.

ORANGE RUFFLES (Pat. 1124). A gorgeous new tone of orange that is luminous like glowing sunshine in the rain. Large flowers mostly single on stems constantly in great abundance. As many as 50 petals gracefully warped, curled, frilled and ruffled, artfully shading from orange through to saffron yellow. Delightfully fragrant. Not subject to blackspot. \$1.85; 3 for \$5.25.

The Plants We Offer Are Not Southern Roses

They are No. 1 2-year budded plants, grown on the Pacific coast, the very finest plants obtainable. Each plant has three or more canes, 18 inches long or longer, proving their vigor. You will know the difference between these top grade plants, and lower priced plants, when they begin to grow in your garden, where their abundance of fibrous, flexible roots enable them to become established quickly and bloom early.

All these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly. All Roses are shipped postpaid. (No Roses shipped C. O. D.)

3 NEW EVERBLOOMING HYBRID TEA ROSES FOR \$7.25

Offer C-35—One each as listed below (value \$8.00) for \$7.25 postpaid.

PRESIDENT EISENHOWER (Pat. 1217). Large, 4-5 inch blooms of rich, unfading, uniform rose-red with lasting brilliance, come singly on strong stems. It has few thorns, a sweet, old-rose fragrance and is a real modern "American Beauty." \$2.50; 3 for \$6.75.

SUN VALLEY (Pat. 1135). This is the brightest golden yellow rose we have ever seen and it will truly illuminate the garden. A tall plant, producing long cutting stems; shiny foliage and delicate fragrance. \$2.50; 3 for \$6.75.

TIFFANY AARS 1955 (Pat. App. For). This new All-American Winner is near perfect. It blooms continually. Its long pointed buds, on strong erect stems, open into large, radiantly beautiful blooms of warm clear pink with a heart of gold. They have exceptional lasting qualities and fragrance. Plant is vigorous and healthy. Truly a great rose. \$3.00; 3 for \$8.25.

6 HARDY GARDEN

Chrysanthemums

POSTPAID FOR

\$4¹⁰

All six are our pick of new varieties which have proved their earliness, hardiness and decorative value for garden planting. We can recommend them for all these qualities, in addition to their beauty.

OUTSTANDING LARGE FLOWERS

- ALGONQUIN.** Large clear yellow. 2". Early.
BONFIRE. Burnt-bronze red. 2". Early.
CRIMSON GLORY. Deep crimson. 3". Mid-season.
ORCHID HELEN. Very large pink orchid. 3". Early.
SEPTEMBER WINE. Sparkling red burgundy. 2". Early.
WHITE CAP. Semi-double white. 2-2½". Mid-season.

3 for \$2.25; 10 for \$7.00.

COLLECTION NO. 1C. 1 each of above six for \$4.10.

New Azalea-Like Mums

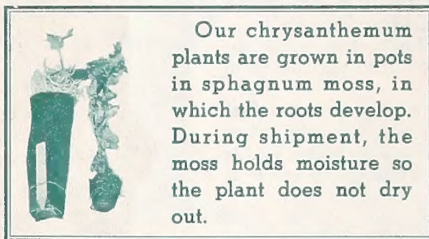
Six Varieties for \$3.50



RED CUSHION

Compact, mound-like plants which blossom very early, and are covered with flowers for a long season.

- CALCITE.** Large pure white. 1½". Early.
CHAMPION. Deep bronze red. 1½". Early.
HARVEST MOON. Full double, golden bronze. 1½". Early.
LAVENDER CUSHION. Lavender pink. 2". Early.
MAJOR CUSHION. Bright salmon-pink. 1½". Early.
PURPLE CUSHION. Double deep wine. 2". Early.
 3 for \$2.00; 10 for \$6.25.
COLLECTION NO. 2-C. 1 each of above six for \$3.50.



Our chrysanthemum plants are grown in pots in sphagnum moss, in which the roots develop. During shipment, the moss holds moisture so the plant does not dry out.

Cushion Mums

Five Favorites, \$2.75

The hundreds of blooms on these low spreading plants make them the Mum favorites of flower lovers.

- BRONZE.** Deep bronze. 1½". Early.
PINK. Light pink. 1½". Early.
RED. Deep red. 1½". Early.
WHITE. Pure white. 1½". Early.
YELLOW. Golden yellow. 1½". Early.
 3 for \$1.60; 10 for \$5.00.

COLLECTION NO. 3-C. 1 each of above five for \$2.75.

Time Tried Varieties

Six Plants for \$3.75

These are free-flowering varieties still outstanding in their color classes.

- BURGUNDY.** Rich cerise-crimson. 2½". Mid-Season.
CHAS. NYE. Finest Deep yellow. 2-3". Early.
CHRIS COLUMBUS. Ivory-White. 3". Early.
LAVENDER LADY. Still THE Lavender. 3". Mid-Season.
PINK DREAM. Semi-double pink. 2-2½". Mid-Season.
SEPTEMBER BRONZE. Warm bronze. 2". Early.

3 for \$2.15; 10 for \$6.85.

COLLECTION NO. 4-C. 1 each of above six for \$3.75.

Pompon or Button

These are among the hardiest and thriftiest of all, and their small double flowers are highly decorative both in the border and in cut flower arrangements.

- IRENE.** Pure white button. 1". Mid-Season.
JEWELRY. Rosy-orchid button. 1½". Early.
METZI. Yellow with Red Center. 2". Mid-Season.
POMPON RUBY. Ruby Crimson. 2". Mid-Season.
PYGMY GOLD. Golden yellow-low grower. 1". Early.
SPLURGE. Lavender-rose. Button. 1½". Early.

3 for \$2.00; 10 for \$6.25.

COLLECTION NO. 5-C. 1 each of above six for \$3.50.



CRIMSON
GLORY

Phlox Plants

Newest Varieties

We have an unusually fine assortment of field grown plants. These are well rooted one-year old plants, guaranteed true to name.

- BLUE BOY.** Dark blue. 3 for \$1.95; 10 for \$6.00.
BRIGADIER (New). Carmine red. Pink shading. Red eye. 3 for \$1.95; 10 for \$6.00.
CHAS. CURTIS. Sunset red. 3 for \$1.50; 10 for \$4.50.
ELIZABETH ARDEN (New). Soft pink, low, compact growing. 3 for \$1.95; 10 for \$6.00.
LEO SCHLAGETER. Brilliant scarlet. 3 for \$1.60; 10 for \$4.85.
REMBRANDT. Best pure white. 3 for \$1.95; 10 for \$6.00.
SAN ANTONIO. Dark blood red. 3 for \$1.60; 10 for \$4.85.
SIR JOHN FALSTAFF (New). Giant salmon pink. Strong grower. 3 for \$1.95; 10 for \$6.00.

1 each of the above 8 varieties for \$4.35.



SAN ANTONIO

YOU CAN GROW LARGEST

DAHLIAS

**8 CHAMPION VARIETIES OF
RAINBOW COLORS**

\$3.95

**One Each of the Following Varieties (VALUE \$8.00)
for \$3.95**

VARIETIES listed below are all late introductions, sold not long ago for as much per tuber as we ask for this collection. From these tubers, flowers of the largest size can be grown, by following the culture and disbudding instructions which we send.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions having demonstrated their merit in the garden and on the exhibition tables. Besides large size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

BUTTERFLY. (ID) 10" Soft blend of henna orange with orchid reverse on the petals. Color is very unusual and showy. Low bush. Each \$1.00.

CLARA CORDER. (ID) 12" Giant cyclamen pink on low to medium bush. Blooms are naturally very large and showy. Each \$1.00.

JOAN FERENZ. (ID) 10" Seedling of Jane Cowl. Canary yellow lightly suffused rose red. Very vigorous bush. Each \$1.00.

LOIS WALCHER. (FD) 8" True bicolor of rich pansy purple, heavily tipped white. Exceptionally showy and seldom reverts. Each \$1.00.

FANCY-LEAVED CALADIUM BULBS

MIXED. 6 for \$2.00; doz., \$3.75.
No order accepted for less than 6.
DELIVERY FEB. 15th TO JUNE 1st.



The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.



THE UNIVERSE

THE UNIVERSE. (ID) 10" Deep oxblood red with a definite rose cast. Foliage is very dark and blooms are shaggy and full. Each \$1.00.

FAITHFUL. (SC) 8-10" Semicactus white that is produced on tall strong bush. Bush and foliage are very vigorous. Each \$1.00.

ADOLPH MAYER. (SC) 10" Dark purple, almost black. Large flower of unmatched beauty. Each \$1.00.

RED SPLENDOR. (ID) 8" Bright red cut flower variety. Many flowers. Healthy bush. Outstanding. Each \$1.00.

Cannas for Gay Summer Beds

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

CITY OF PORTLAND. 3½ ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink.

HUNGARIA. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

KING HUMBERT. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has long been the favorite red.

THE PRESIDENT. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

YELLOW KING HUMBERT. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to May 15; 3 for 75c; \$2.00 per doz., \$14.00 per 100.

CHOICE CANNAS

COPPER GIANT. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect.

DOROTHY S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to May 15; 3 for 90c; \$2.50 per doz., \$17.00 per 100.



CANNA THE PRESIDENT

A vigorous plant that bears large flowers of bright red.

Vaughan's Seed Company 3

red rich

EVERBEARING

STRAWBERRY

Bears Luscious Fruit From Early June Until Frost

EVERBEARING

RED RICH (Plant patent No. 993). The amazing Wonder Strawberry. Bears and bears from early June until frost. Big, juicy, firm fruit loaded with that rich Strawberry flavor. Unsurpassed for freezing. The supply is limited so order today. Price: 12 for \$2.95; 25 for \$5.00; 50 for \$8.50; 100 for \$15.00; 250 for \$32.50. All plants guaranteed.

TWENTIETH CENTURY—Highly recommended by Experiment Stations in many states; it rates superior in size, quality and production. Makes a vigorous growth of good sized plants. Bright red berries of fine texture and excellent flavor. Bears fruit within 60 days after planting until freezing weather. Price: 25 for \$2.95; 50 for \$4.95; 100 for \$8.95; 250 for \$19.50; 500 for \$37.50.

JUNE BEARING

JUMBO (Midseason). All American June bearer. Jumbo has everything the home gardener and commercial grower demand. Deep red, honey-sweet, good for freezing and the heaviest yielding berry known. Price: 25 for \$2.25; 50 for \$3.50; 100 for \$6.25; 250 for \$10.95; 500 for \$17.75.

ARMORE (Late). Big is the word for Armore. Big producer, big berries. Good shipper. Unrivaled for sweetness and flavor. Price: 25 for \$1.95; 50 for \$3.25; 100 for \$5.75; 250 for \$9.70; 500 for \$15.25.

BELLMAR (Early midseason)—Looking for the best freezing June berry of them all? This is it—**BELLMAR**. The berry that stood head and shoulders above others in University freezing tests. It's a dark red berry, long conic in shape. A good producer with a fine sweet flavor. Price: 25 for \$2.10; 50 for \$3.15; 100 for \$5.50; 250 for \$9.50; 500 for \$15.25.

VERMILION (Early). Tops the list in quality. Glossy bright red. Medium size. Resistant to Red Stele and Leaf spotting diseases. Price: 25 for \$1.95; 50 for \$3.25; 100 for \$5.75; 250 for \$9.70; 500 for \$15.25.

DUNLAP (Midseason). An old favorite, popular for many years. Bright red all through, exceedingly juicy. A success in all areas. Price: 25 for \$1.40; 50 for \$2.10; 100 for \$3.25; 250 for \$6.75; 500 for \$10.50.

PREMIER (Early). One of the best early June berries. Top producer, medium to large fruit of good quality. Price: 25 for \$1.70; 50 for \$2.50; 100 for \$3.75; 250 for \$8.00; 500 for \$12.50.

PAYMASTER (Midseason) Sparkling, red. A real beauty of a berry. Because Paymaster is red clear through, rates high in freezing tests and at the same time boasts a firmness that makes it ideal for handling. Price: 25 for \$2.10; 50 for \$3.15; 100 for \$5.50; 250 for \$9.50; 500 for \$15.25.

BRITISH SOVEREIGN (Late) Especially recommended for the home gardener who wants a late berry of wonderful flavor. The berries are large and deep red with a high sugar content. You'll remember its delightful flavor. Price: 25 for \$2.10; 50 for \$3.15; 100 for \$5.50; 250 for \$9.50; 500 for \$15.25.



**BEST
EVER!**

Strong Field Grown Plants, Shipped from Early Spring up to May 15.

FREEZER COLLECTION

50 JUMBO, 25 BELLMAR, 25 PAYMASTER
Collection of 100 Plants **\$5.25**

**"L-O-N-G" Season
Strawberry Collection**
25 Vermilion, 25 Jumbo, 25 Armore, 25 British
Sovereign.
Collection of 100 Plants **\$5.00**

YOUR GARDEN CENTERPIECE . . . FOR FRONT YARD OR BACK

PYRAMID

CIRCULAR TERRACED GARDEN

In one-third the space of the conventional garden method you can enjoy an abundant full season growth of everbearing Strawberries with a **PYRAMID** circular terraced garden. Easy to pick from—easy to care for, this attractive garden adds real beauty and practical value to any garden or landscape. Perfect too, for low growing perennials. Made of tough aluminum alloy it will not rust or corrode. Merely fill first ring with rich soil, trample. Repeat for remaining terraces.

LARGE SIZE. (Four terraces—6 ft. diameter, perfect for 50 everbearing Strawberry plants) . . . **\$9.95**



6 SUPPORT STRIPS	\$3.95
COVER (Plastic)	6.95
NET (Mesh)	6.95
SPRINKLER (Complete with copper tubing and all connections)	5.25

PRICES ARE POSTPAID

HELPFUL ACCESSORIES



COVER or NET — aluminum support strips illustrated holds plastic cover as miniature greenhouse for early planting or frost protection. Net is used during growing season to protect from birds.

SPRINKLER—comes complete with copper tubing, nozzle and hose connection. Covers entire bed.



SPRINKLER

ALL PRICES ON THIS PAGE ARE POSTPAID

Luxurious **MERION BLUE GRASS LAWN** *Most Economical You Can Grow*

Seed of Merion blue grass harvested last year was double the previous crop, but most of it was sold for fall sowing. While there is a definite shortage for spring sowing, we will fill orders as long as our supply lasts at the lowest spring prices we have ever offered.

We strongly recommend Vaughan's Merion Blue Grass Formula for spring sowing. This combination of all perennial grasses, containing 42% Merion by weight (over 900,000 seeds) is the result for several years of testing. Merion is a slow germinator in cold weather, and spring sowing is best done before the ground warms up. We tried many different combinations, with the object of determining what faster growing grasses can be sown with Merion to make a quick cover and protect Merion in its early stages. The combination in the Formula proved to be the best.

But Merion's slowness is deceptive. While the top growth creeps, its roots are fast growing and in most cases within 18 months Merion will have completely taken over the lawn.

The great demand for Vaughan's Merion is chiefly due to "word of mouth" recommendations from satisfied customers to those who admire the Merion lawns. These stand out above other lawns for their heavy, cushiony turf and deep green color. Owners are proud of them and glad to tell what seed they used.

All stress the fact that while Merion is a luxury grass in appearance and performance, it is the most economical lawn you could grow.

A letter from George E. Hooper, Western Springs, Ill., is typical of the testimonials which Merion owners give. He writes:

"Without reservation I would like to say that the economy of your Merion Blue Grass Formula with respect to freedom from weeds, crab grass and upkeep has more than justified the initial cost.

"Actually I have spent less than one-third the time, effort and money on this Merion Blue Grass than is necessary for any other type of grass. Even during the hottest summer months, with restricted village sprinkling regulations, this lawn has retained its healthy green color and strong turf."

We urge that you order your Merion Blue Grass Formula without delay.

VAUGHAN'S "PARKS" MIXTURE

Whenever a lawn is desired which combines the maximum of beauty and economy with a minimum of care, we recommend this mixture. Its basis is the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf. White clover is not included in this mixture, but it can be ordered separately. In one pound of Vaughan's "Parks" Lawn Seed there are 3,682,560 seeds. 1 lb., \$1.45; 2 lbs., \$2.90; 3 lbs., \$4.30; 5 lbs., \$7.10; 10 lbs., \$14.00; 15 lbs., \$20.90; 20 lbs., \$27.75; 25 lbs., \$34.50; 100 lbs., \$134.00.

VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$4.00; 5 lbs., \$6.60; 10 lbs., \$13.00; 15 lbs., \$19.40; 20 lbs., \$25.75; 25 lbs., \$32.00; 100 lbs., \$124.00.



Residence of Gradie Oakes, Glenview, Ill.

Mr. Oakes writes as follows:

"Merion Blue Grass thrives in the light shade of oak trees on my lawn. It makes a beautiful thick, springy turf of a healthy dark green color, even in hot weather when other lawns are showing up yellow and brownish green. People remark about these two features."

MERION BLUE GRASS FORMULA—100% PERENNIAL GRASSES

Contains by weight:

42% Merion Blue Grass 38% Penn State Chewings Fescue 15% Highland Bent 5% Red Top

Due to small seed this gives over 900,000 seeds of Merion in one pound of formula.

1 lb. \$2.60; 3 lbs. \$7.75; 5 lbs. \$12.75; 10 lbs. \$25.00; 25 lbs. \$61.25.

Produces thicker turf, stays greener all summer and stands closest mowing. 1 pound covers 750 sq. ft., 3 times as much as standard blue grass, costing no more to sow an equal area.

42% **MERION BLUE GRASS**, propagated from a single plant selection, which has demonstrated in trials throughout the country ability to stay green all summer, stand close mowing, and resist leaf spot and other diseases.

38% **PENN STATE CHEWINGS FESCUE**, improved strains of Fescue and tested for ability to stand close mowing. Spreads by root runners, and matches the texture of Merion blue grass.

15% **HIGHLAND BENT**, dry land bent, drought and disease resistant and not requiring the care of creeping bent, it spreads underground and makes a thick turf, spreading quickly.

5% **RED TOP**, a nurse grass to control weeds until Merion Blue Grass takes over.

MERION BLUE GRASS

For those desiring straight Merion Blue Grass we offer up to a maximum of 10 lbs. per customer due to the limited quantity. One lb. will sow 750 sq. ft. 1 lb., \$4.25; 3 lbs., \$12.70; 5 lbs., \$21.00; 10 lbs., \$41.50, all postpaid.

FOR OTHER GRASSES SEE PAGE 96

MEYER ZOYSIA, FOR HOT SUMMERS

For lawns where summers are so hot, cool weather grasses turn brown, Meyer Zoysia has shown excellent results in tests at the U. S. Plant Industry station in Beltsville, Md.

Zoysia is a tropical grass which in warm climates has remarkable ability to spread and crowd out other grasses. It is not recommended for sections where Merion and Kentucky blue grass lawns are satisfactory.

Zoysia is recommended for planting in combination with Merion in and south of the following cities: Kansas City, St. Louis, Springfield, Ill., Indianapolis, Cincinnati and Baltimore.

Farther south where it is the practice to grow lawns of Bermuda and rye grass Zoysia is recommended for planting alone.

Zoysia is Grown from Sprigs or Plugs.

Seed is not available for Zoysia, but it is easily grown from sprigs, or plugs. It comes as strips of sod which can be cut into plugs, or broken into sprigs, and set out in a regular pattern like the illustration.



PLUGS SET OUT



SPREADING BEGINS

Zoysia sod sufficient to plant plugs over 50 sq. ft. on 1-foot centers, \$5, prepaid.

Shipments will be made after May 1st Zoysia sod sufficient to plant plugs over 100 sq. ft. on 1-foot centers, \$10, prepaid.

Shipments will be made after May 1st

Vaughan's Seed Company 5

Newer Vegetables



B-23 Greenpod Bush Bean Contender, Pkt., 25c

Best Home Garden Bean

B-23 Green Pod Bush Bean Contender. 49 days. A great introduction for 1950, that was the work of the late Dr. B. L. Wade. This high quality, heavy yielding bean has been setting records in all parts of the country. Amateurs like it because of its fast growth and long, round, tender pods, entirely free from fibre or linen. A continuous supply for the table is assured by sowing every week, three feet of row which will supply abundantly the average family needs. Pkt., 25c; $\frac{1}{2}$ lb., 55c; lb. \$1.00; 2 lb., \$1.90.



Harvest Peas Through July and August

P-17 Wando Pea. 64 days. Where spring is short and summer hot, peas have so brief a season the harvest is counted by days. But here is a wrinkled pea, of excellent quality, which thrives and bears through the hottest summer months. You can plant them late in June for a harvest in September. Sow every three weeks for a succession of crops which will give you a continuous supply all summer, fresh from the garden, with all the enjoyment that implies. Excellent for freezing, also. Pkt., 25c; $\frac{1}{2}$ lb., 45c; lb., 75c; 2 lbs. \$1.35.

Lettuce of Bibb Quality All Summer

L-9. Matchless Lettuce. 55 days. Here is the lettuce both gourmets and home gardeners have dreamed about. It has the quality of Bibb, to which professional salad experts give top rating, yet can be harvested all summer from the home garden without loss of quality. In contrast, Bibb bolts to seed with the first warm weather. Matchless matures quickly and a succession of sowings will keep you supplied from early spring until winter. The picture of Matchless herewith was taken in our trials in August, an exceptionally hot and dry one, yet the plants showed no signs of bolting and quality was superb. It grows into a loose cluster of slender leaves shaped like a deer's tongue, thick and crisp, with a heavy midrib, equalling Bibb quality on all counts. We have never seen its equal and believe it is the finest lettuce yet introduced. Don't fail to try it. Pkt., 25c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.



L-9. Matchless Lettuce, Pkt., 25c

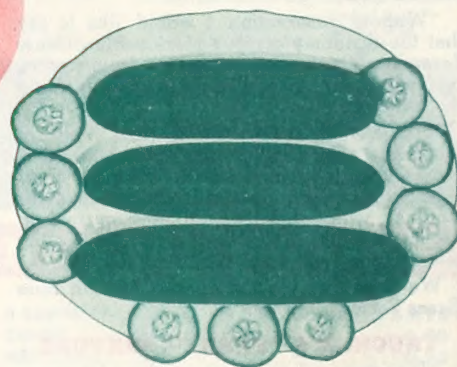
Quality Tomato Immune to Most Diseases

T-20 Manalucie. 86 days. Seldom are quality and freedom from disease combined in the same variety, but this tomato has both. It was the outstanding variety in our trials the last two seasons, bearing heavily good size fruits, deep and fleshy, with a flavor combining sugar, acid and the tomato taste in a delicious blend. It was bred to resist practically all troubles, including early blight, blossom-end rot, cracking, wilt, and others you never heard about, it does all that. Dr. James M. Walter and David G. A. Kelbert produced it at Gulf Coast Experiment Station, Bradenton, Fla. Pkt., 35c; $\frac{1}{2}$ oz., 75c; oz. \$1.25.



Early Sweet Corn Bears Large Ears

C-128 Sweet Corn Golden Beauty. 73 days. New England produced this new hybrid variety which won a Silver Medal in the All American trials for 1955. This was the highest award given this year in the annual contest of new flowers and vegetables. Wherever early frosts cut short the season this will be especially valuable, since it combines early maturity with large size and heavy yield. It was bred by W. H. Lachman of the University of Massachusetts, Amherst. Its ears average $7\frac{1}{2}$ inches with 12 to 14 rows of golden kernels, with white silk. Resistance to disease, which was bred into this variety, is no doubt responsible in part for its high yield. It is especially suited as a main crop for home gardens in the northern tier of states. Pkt. 25c, $\frac{1}{2}$ lb., 60c; lb., \$1.10; 2 lbs., \$2.10.



C-174 The Vaughan Hybrid Cucumber, Pkt., 25c

Slenderest Cucumber Gives Long Yield

C-174 The Vaughan Hybrid Cucumber. 65 days. Here is the ideal cucumber in appearance—long, dark green, and slender. When you add F-1 hybrid vigor and resistance to the mosaic disease, which cuts short the life of so many varieties, you insure a big harvest spread over a long season, just what the home gardener requires. It is the best of all the hybrids in our opinion, and especially fitted for climbing a fence or trellis in the small garden, where it gives a maximum yield for the space occupied. Sow seed in rows a foot away from the fence. Strings are needed to coax the vines to start climbing. Plants can stand a foot apart, and should be well fed and protected while young from the cucumber beetles. Fruits need no extra support. Pkt., 25c (30 seeds), $\frac{1}{2}$ oz., \$2.75; oz., \$5.00.



C-49 Carrot, Sweetheart. Pkt. 20c.

Carrot Sweet as Honey

C-49 Carrot Sweetheart. 70 days. This well named carrot has a core (call it a heart) quite as tender and almost as sweet as the thick outer layer of its root. The deep orange coloring extends through all the flesh. It has a blunt end, slender cylinder shape, averaging 1½ by 6 inches. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb. \$1.95.



For Beets of Golf Ball Size

B-78 Beet Fireball. 55 days. The experts say beets grown to golf ball size are best for cooking fresh or canning; and market gardeners are growing them closer together to keep them small. Fireball helps this programme by staying small longer and holding quality much better than bigger kinds. It has short tops and spherical roots of unmatched dark red color, which is appetizing no matter how they are served. Pkt. 25c; ½ oz., 35c; 1 oz., 55c; ¼ lb., \$1.25.



Hybrid Sweet Spanish Onions in Cook County, Ill.

Harvest Sweet Spanish Onions in August

O-37 Hybrid Sweet Spanish Onion Plants. Any home gardener will get a thrill from growing giant Sweet Spanish onions to a weight of two pounds in his own garden and harvesting them in August, weeks before other onions reach maturity. The secret of both earliness and size is found in hybrid vigor, that strange power possessed only by the first generation offspring of pure bred parents. The bulbs in the illustration were grown in ordinary garden soil near Chicago, Ill. Onions weighed more than two pounds each and were ready to harvest Aug. 20.

O-37 Hybrid Sweet Spanish Onion Plants, minimum order 2 bunches, (approximately 200 plants) \$1.25; 10 bunches \$5.00. All prepaid. Plants ready to ship April 15 and after.

O-36 Hybrid Yellow Globe Onion Sets, minimum order 2 lbs., \$1.50; 5 lbs., \$3.50; 10 lbs. \$6.00 all prepaid. These sets produce a large hybrid yellow globe onion suited for winter storage. Sets ready to ship April 15 and after.



Heavy-yielding Wisconsin-bred Early Pepper

P-66 Pepper Wisconsin Lakes. 68 days. Research scientist, O. B. Combs, in Wisconsin bred this early maturing pepper, which can be picked in the green stage a week earlier than California Wonder. The plants grow 18 to 21 inches tall and hold the fruits upright, in an easy-to-pick position. In either heavy or sandy soil it outyields later varieties. Fruits ripen to a bright scarlet. Leaves are medium to small, dark green, and the well branched plants shade the stems enough to prevent sunscald. Pkt., 35c; ½ oz., \$1.00; oz., \$1.85.



Rhode Island Red Early Watermelon

M-44 Rhode Island Red Watermelon. 82 days. Bred for the Rhode Island climate, where spring comes late, this melon is an outstanding addition for northern home gardens. Dr. Desmond Dolan of the Rhode Island Experiment Station crossed Dixie Queen with Honey Cream to produce a hybrid with the sweetness of Georgia's biggest and best. The oval fruits are 8 to 12 pounds and have a good, firm rind. Pkt., 35c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.20.



New Purple Cauliflower

C-67 Early Purple-Head Cauliflower. 85 days. You will not see this in markets, for it is too tender to stand the handling, but for home garden growing it is superb. The heads are very large and turn green when cooked. The flavor is mild, like broccoli, and it is ideal for freezing. Plants set out in June mature in September. You will like this, whether you like market cauliflower or not. Pkt. 25c; ¼ oz., 95c; ½ oz., \$1.80; oz., \$3.00.



T-19 TOMATO GIANT TREE. Pkt., 50c.

Giant Tree Tomato Still Leads All Others

T-19 Tomato Giant Tree. (Italian Potato Leaved) 90 days. Though Giant Tree Tomato was first listed in our catalogue in 1946, it was not a new variety then (though new to us). Since its first listing it has been our best selling tomato variety. Quotations from testimonials give the reasons.

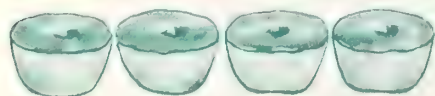
"Tomatoes from your Giant Tree seed last year were truly marvelous in size and flavor. One would make a meal for 3 or 4 persons." Mrs. C. P. Thompson, Lincoln, Neb.

"I was surprised at its early maturity. We picked ripe tomatoes exactly one week after the first picking of Early Chatham. It was still in heavy production when heavy frost hit in October." Emil Gazal, Hancock, Mich.

"I raised 3 pound fruits, many 1 3/4 pounds and 1 1/2 pounds. Best flavor for canning." Mrs. E. M. Wright, Springfield, Mo.

"I transplanted 10 to 12-inch plants June 2, and in September they were by actual measure 13 1/2 feet tall." Larry Aden, Cincinnati, O.

There isn't much we can add, except to say that all the new varieties produced by scientific plant breeding, including the tetraploid and giant hybrids, haven't begun to rival the unique qualities of this amazingly vigorous variety. If you doubt this send for seed of Giant Tree Tomato this year and try it. Pkt., 50c.



Potato Eyes for Planting

Instead of handling 100 big seed potatoes, you can plant 100 potato eyes and grow a home garden crop with no more labor than growing beans. Vaughan's sets are cut from the finest certified seed potatoes and treated with Chaogen to eliminate seed borne diseases.

Plant 6 inches deep, 12 inches apart in rows 28 to 36 inches apart. Cultural instructions included. We offer the following varieties of top table quality for April or May shipment.

P-47 White Cobbler—pure white, nearly round, early. 100 for \$2.25 postpaid.

P-48 Cherokee—a new variety later than the White Cobbler, resistant to blight and scab, 100 for \$2.25 postpaid.

P-49 Red Pontiac—Red skinned with resistance to drought. 100 for \$2.25 postpaid.



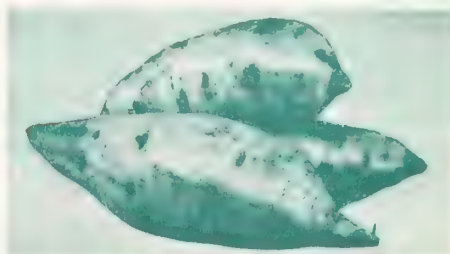
MAGIC MUSHROOM TRAYS

Available from October to May Mushrooms for home consumption can be grown in your cellar, without odor or disorder, in Magic Mushroom trays, which come filled with compost, and sown with spawn, ready to grow after you have soaked the soil.

Trays measure 15 by 17 inches. Mushrooms should mature in 3 to 4 weeks and continue to develop for two to four months. Four trays are recommended to supply the average family.

Compost which fills the tray is pasteurized and odorless. Shipping weight is 25 lbs. for each tray, if shipped with one-inch of soil covering compost; 15 lbs. without soil which you can supply from your garden.

Shipped with complete instructions. Prices, 3 trays, \$4.50; 6 or more, \$1.25 each, all shipments by express at purchaser's expense F.O.B. Ashtabula, O. and no trays will be shipped C.O.D.



Bush Sweet Potatoes

P-24 Murff Bush Sweet Potatoes. You can now grow your own sweet potatoes, if you have room for a row of bushy plants each spreading 3 feet in diameter, 18 inches tall.

Murff Bush Sweet Potatoes, 10 lbs., \$2.75 postpaid; 11 lbs., and over, 20 cents per pound. Shipped by Express, charges collect.



R-9 Radish Cherry Belle. Pkt., 25c.

Warm Weather Radish

R-9 Radish Cherry Belle. 25 days. The seed we offer is imported from Holland where it was grown by the originator A. R. Zwaan & Sons. In spite of its fast growing earliness, this new variety from Holland is slow to turn pithy the way other earlies do. Actually it reaches its best quality when the soil begins to warm up, so you can harvest several crops before hot weather. Round as a cherry and just as red, it has short tops and thrives in any garden soil. It won an All America bronze medal. Pkt., 25c; oz., 35c; 1/4 lb., \$1.00; 1/2 lb., \$1.75.



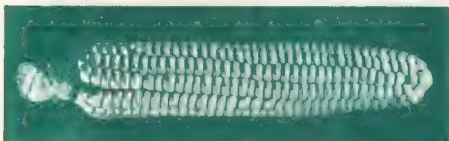
C-108 HYBRID SWEET CORN GOLDEN CROSS. Pkt., 20c.

Hybrid Sweet Corn Team

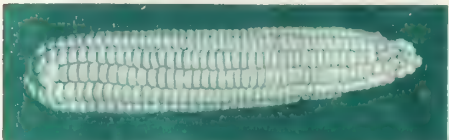
Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling **75¢ 1/2 pound.**

We offer a brand new hybrid sweet corn team, including our new super-sweet Bouquet, and the popular new late hybrid Golden Security. The varieties described below represent the finest quality hybrids available. Plant them for a continuous home garden crop excelling in flavor and tenderness as well as large yield.

C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease. Pkt., 20c; 1/2 lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lb., \$4.25.



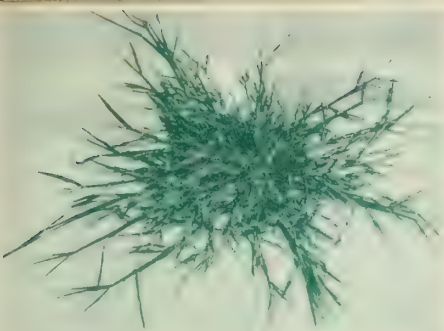
C-119 Our Choice. 68 days. One of the earliest hybrids, we recommend it because of its super-sweet and tender kernels, borne on a large 12-rowed ear. Pkt.; 15c; 1/2 lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00.



C-101 Bouquet. 75 days. Extra sweet, second early. The cylindrical ears are long and sweet. Pkt., 25c; 1/2 lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00.



C-117 Golden Security. 85 days. The most popular late yellow hybrid in the middle west. 14-16 ozs. Pkt. 25c; 1/2 lb. 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs. \$5.00.



New Lawn AND Garden Aids

Vaughan's New Rose and Plant Dust or Spray

No. S276 So many new insecticides and fungicides are now available, few amateurs can keep informed about all. Fortunately there is no need, since it is possible for a combination including the best for each purpose to protect your plants from both insects and diseases.

Vaughan's Rose and Plant Dust, which can also be used in a spray, contains the best of the new materials for the home gardener's use. Included are the most effective new discoveries for controlling red spider on evergreens, black spot on roses, powdery mildew and both leaf eating and plant juice drinking insects. The trouble that threatens your plant need not be diagnosed. As soon as it is observed, you dust or spray with our preparation and kill the pest or cure the ailment before damage is done. It is safe, stable and sure. 8 oz. applicator, \$1.25; postpaid \$1.40; 1 lb., \$1.50; postpaid \$1.75.



New Pistol-grip Duster is One-hand Pest Killer

No. S707 For protecting small gardens from insects and diseases, dusts have many advantages over sprays. But dusting can be tiring unless you have the right duster.

Our new Pistol-grip Duster is right in economy, accuracy, and ease of handling. You keep it loaded and when your plants are threatened, hold it like a pistol and shoot out a cloud of dust by pulling a 3-finger trigger. Your other hand is free to push aside obstructions and expose the target you are after.

It holds 6 to 8 ounces of dust depending on fineness. An agitator prevents the dust from packing. The easy trigger pull is stepped up by gears to operate the blower. Each \$7.85; postpaid, \$8.00. Pistol-grip Duster with 1 lb. of Vaughan's Rose and Plant Dust (\$1.75 value), both prepaid \$9.50.

Electric Seeder Saves Time and Seed in Garden

S1603. Instead of tap, tap, tapping the seed packet with your finger, you dump the seed into this funnel shaped trough, set the battery to buzzing, and the seed drop one by one as close as you please, as you walk down garden row. It does a better job on seed flats, too. A flash light battery vibrates the feeder. Florists use it for fine seeds. Each \$2.25, prepaid.



S1603 Electric Seeder, Each \$2.25 Prepaid.



Multiply Costly Woody Plants by Developing Roots on Stems

S1924 Airwrap. Costly magnolias, roses, blueberries, azaleas or any woody plants can be induced to form roots on a selected stem by the Airwrap method which inexperienced gardeners can use. Once rooted the stem can be cut off and planted. Airwrap plastic film is wrapped around a ball of sphagnum moss, surrounding a wound which is prepared with a knife, according to directions. The moss is saturated and the film holds the moisture in, while allowing air to penetrate freely. The film contains necessary growth and rooting chemicals. One kit will make eight new plants. Each, \$1.95. Postpaid \$2.15.

A Drink Of This Makes House Plants Kill Insects

No. S227. Insects which prey on plants can be killed by applying insecticide to the soil. Most successful example is found in sodium selenate, which florists have used for several years, on greenhouse flowers. Do not apply it to food plants of any kind. To insure safety when used with house plants we offer it in capsules, each containing a safe but effective dose for an average pot.

KAPSULATES. Box of 12 capsules, 60c, postpaid. Box of 24 capsules, \$1.35, postpaid.



Hidden Rope Keeps Animals Away from Plants

No. S290 VAUGHAN'S ANIMAL REPELLENT ROPE. Dogs, cats, rabbits, may be all right in their place, but you don't want them near your plants. This rope is impregnated with improved and more effective oils which set up a barrier of scent which turns them all away. Circle flower bed or border, or vegetable plot, pegging it on the ground, lightly covered. Tie a piece around an upright tree or evergreen, or hide it in foliage. All animals hate this odor. 100 ft., in can, \$1.50, prepaid.



No. S918 SPRAY GUN, \$6.95.

Precision Device for Spraying with Hose Pressure

HOSE MIX'T. What could be easier than using spray from the garden hose to protect your plants from insects and disease? For many years devices have been designed to do it.

You may have tried one or more, and found it worked pretty well, "but"—. The "but" was serious enough to send you back to older methods. Designers kept on trying, however, eliminating the "buts" one by one, and now we can recommend one of their latest models.

HOSE MIX'T Spray Gun really does a job. Both mixing the lethal dose to the right strength and applying exactly the proper kind of spray are insured by simple adjustments. The nozzle will produce anything from a fine fog, to a stream 30 feet high. Latest insecticides and fungicides are supplied in pelleted form, so that exactly the right quantity can be measured.

No hand-mixing of chemicals. No costly "guesswork." No more pressure tank to pump and carry. Fill spray gun chamber with HOSE-MIX'T Pellets and just "turn on the faucet." Water pressure stream dissolves concentrated pellets.

Pesticides for use in HOSE-MIX'T.

One package makes over 12 gallons of triple action spray: insecticide, fungicide and aphicide.

No. S919. For Flower Gardens and Roses. Controls practically all insects and fungus diseases attacking garden flowers, roses, shrubs and broadleaf evergreens. Price \$1.98; prepaid \$2.10.

No. S920. For Vegetable Gardens and Fruit. Controls practically all insects and diseases attacking vegetable plants and fruit. Price \$1.98; prepaid \$2.10.

Do Liquid Plant Foods Work Miracles?

No. S420. Fertil-flo. Fantastic claims of the radio "pitch-men" about magic or miracle-working soluble plant foods, may have turned you against them. But there is solid merit in the bona-fide discoveries which scientists have made about the quick action of plant foods in solution both on roots, and leaves, which latter is termed "foliar nutrition."

Pound for pound they will cost you more than dry plant food, but you spread them in your hose water, and save work; scientists have found that a higher percentage is used by the plants, as well as acting quicker.

They will do a job for home gardeners extremely difficult to equal with dry plant food applications, especially on growing lawns and gardens. Fertil-flo has the highest percentage of food elements, 100% soluble, which we could find. Seventy-nine percent of its volume consists of Nitrogen, 10%; Phosphoric Acid, 52%; water soluble potash, 17%. When dissolved, no residue remains.

It has been widely tested as a starter solution with remarkable results.

For lawns and gardens, spread 1 lb., dissolved as instructed, over 400 square feet. Fertil-flo, 3 oz., 35c; postpaid 45c; 1 lb., \$1.00, postpaid \$1.20; 3 lb., \$2.50, postpaid \$2.85; 15 lbs., \$9, postpaid \$9.90.



3-Tube Sprinkler Wets Wide Area

S913. Supplex Triple-tube Plastic Sprinkler. Garden sprinklers made of plastic tubes with perforations through which the water escapes in a fine spray, have proved their usefulness. Light, weather-proof, easily curved to follow contours of planted areas, they cover a large space with an evenly distributed spray, which the ground quickly absorbs. This one has three tubes with openings on top only, but can be used as a soil soaker when turned upside down. Made of vinyl plastic, it will not rot or mildew. 25 foot length covers space 25x25 feet, with reel, \$3.98. 50 foot length, covers space 50x20 feet, with reel, \$5.98.

Pressure Sprayer is Big, But Not a Burden

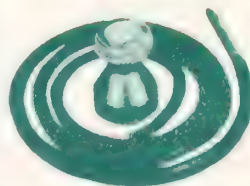
S743. Justrite Garden and Lawn Sprayer. In a pressure sprayer which you carry around the garden, two gallons is a lot of spray but three is too much for a woman to handle with comfort. This well designed 2-gallon job can be used for any purpose which the bigger size would serve, and is not a chore to handle. Complete with high pressure hose, extension and automatic shut off. Each \$7.65, postpaid, \$7.95.



Feeds Plants Through Hose Water

No. S915 HOZON.

Simplest, most practical and widely useful gadget to mix plant food and some insecticides and fungicides with the hose water is Hozon. This siphoning device draws from an open bucket or tub water in which the soluble plant food has been mixed. One gallon of solution is drawn from the pail in about 5 minutes, and diluted with water 12 to 18 times its volume. Hozon siphon is brass, with stainless steel check valve, rubber suction tube and stainless steel strainer. Each, \$2.25, postpaid, \$2.40.



Unbreakable Bird Baths



Lawn Bath

Flower-bed Bath

For both decorative and practical value these light-weight portable metal baths are ideal for both your garden and the birds. You can set them up wherever the birds prefer. When winter comes there is no danger of breakage, and they take a minimum of storage space.

S1701A. Lawn Bath. Aluminum finish enameled bowl 16½x2 in. deep, stands 31 inches high. Ornamental iron base enameled black. Weight 11 pounds. Each \$7.95.

S1701. Flower-bed Bath. Aluminum finish enamel bowl 16½x2 in., deep, stands 28 inches high. Green ornamental iron base. Weight 6½ lbs. Each \$4.75.

Don't Use This Two-Faced Chemical Unless You Can Count



S2028 Garden Cyanamid is a "Jekyll and Hyde" chemical. First, it is death on seed, for 21 warm days after it is spaded into the soil according to directions. Weed seed, also grass seed or any seed at all will be destroyed by this chemical during its "killer" phase. But after three warm weeks

it turns into a benefactor and supplies long-lasting nitrogen, plus soil-conditioning lime, for the crops which are sown or set-out after it loses the power to destroy.

When first applied to the soil, changes begin during which Cyanamid is poisonous to seeds and plants. In 21 days with soil temperatures above 50 degrees, a transformation into safe plant nutrients is completed. In late fall or early spring, because of cold weather, five or six weeks may be required to make Cyanamid an entirely safe and amazingly efficient garden food. Full instructions come with it. 25 pounds will treat 500 sq. ft. \$3.75; 50 lbs., treats 3,200 sq. ft., \$6.50.

Handy Spreader for Lawn Seed and Chemicals



No. S1090 Vaughan's Merion Blue Grass Seeder. New scientific garden tool that saves you time and money. Insures a green velvet smooth carpet of grass by continuous, uniform spreading of lawn seed, dry fertilizer and dry weed killer. Approximate shipping

weight 2 lbs. Each, \$4.95, postpaid.

APPROXIMATE DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1953.			First pound or fraction	Each additional pound or fraction		
Local—Chicago or New York City.....			18c	1.5c	Total Weight, Amount for Postage	
First and Second Zone within 150 miles of either.....			23c	4c		
Third Zone within 150 to 300 miles.....			23c	5c	A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.	
Fourth Zone within 300 to 600 miles.....			24c	7c		
Fifth Zone within 600 to 1000 miles.....			26c	10c	Grand Total	
Sixth Zone within 1000 to 1400 miles.....			28c	12c		
Seventh Zone within 1400 to 1800 miles.....			30c	15c	\$	
Eighth Zone all over 1800 miles.....			32c	18c		

New Flowers



1443 CELOSIA TOREADOR. Pkt., 25c.

Floral Coxcomb Wins Medal

1443 CELOSIA TOREADOR. 18 in. Bronze Medal All America Selections 1955. Large velvety combs up to 12 inches across, of lustrous bright red with scarlet highlights. Stems are stiff and sturdy with luxurious bright green foliage. Most plants produce but one stem with one enormous comb, the balance having two or three base-branching stems each with a large comb. Excellent as a bedding plant or for cutting. Holds color well when dried, if stored in a cool dry place away from sun. We suggest combining with Marigold Cupid Primrose (3196), for an unusual effect. Pkt., 25c.

Moon-yellow Marigolds with Carnation-like Flowers

3115 MARIGOLD MAN-IN-THE-MOON. 3 ft. Solid round carnation-like flower heads composed of broad, crisply ruffled taffeta-like pale moon-yellow petals. Plants vigorous and the strong stems make it ideal for cutting. The flowers of this lightest of all Yellow Marigold are 3 to 3½ inches across. Pkt., 25c.

All America Columbine



7162 AQUILEGIA MCKANA HYBRIDS.
Pkt., 50c.

7162 AQUILEGIA MCKANA HYBRIDS.

3 ft. Bronze Medal All America Selections 1955. A truly outstanding strain of rich colored, large flowering Columbine. Larger flowers, longer spurs and a much richer color range make this an important addition to the perennial group for garden and cutting. Strong bushy plants with striking terminal flowers well supported on long wiry stems above the lacy foliage. Pkt., 50c.



4054 PETUNIA PRIMA DONNA. Pkt., 50c.

Latest F-1 Hybrid Petunia

4054 PETUNIA PRIMA DONNA (F-1 Hybrid). 15 in. Bronze Medal All America Selections 1955. The newest addition to this F-1 Grandiflora group is a bright rose pink with giant flowers, 3½ to 4 inches across, fringed and freely produced on good stems. Vigorous grower, dwarf compact habit, base branching with a spread of 20 to 24 inches. Pkt., 50c.



3910 PANSY COLOR CARNIVAL, Pkt., 35c.

American Giant Pansies

3910 PANSY COLOR CARNIVAL. An American bred strain with its hybrid vigor that far surpasses the Swiss Giants in size of flower, depth of color and plant habit. A good range of color including many reds and scarlets, all flowers blotched, giving a brilliancy and depth most satisfying to all. Pkt., 35c

Dwarf flowers for Borders

New

"Redskin" Petunias

This group of small flowered varieties were developed as companions to Comanche, the popular scarlet-red of last year, with the same general habit, vigor and flowering characteristics, only differing in color. The $2\frac{1}{2}$ to $2\frac{3}{4}$ in. flowers are freely produced on base branching plants 15 inches tall.

4013 APACHE. Bright rose red.

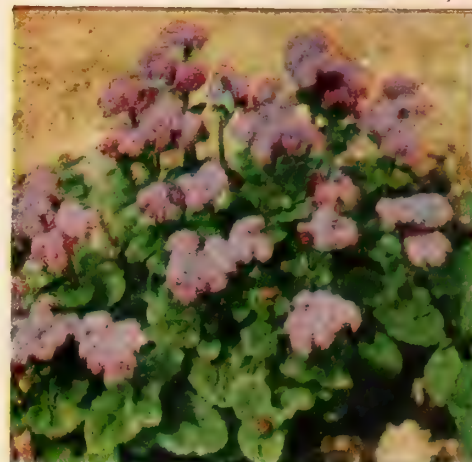
4014 COMANCHE. Deep scarlet-red.

4016 PALE FACE. Pure white.

4031 SIOUX. Medium salmon rose.

4032 WAR PAINT. Not an ordinary mixture but a formula blend which includes the above and others from the introducer's workshop. Illustrated in color on Our Front Cover.

Each of above, Pkt., 50c.



225 AGERATUM DWARF GIANT BLUE TETRA, Pkt., 35c.

Bright Marigold Colors



3179 MARIGOLD NAUGHTY MARIETTA. 2 ft Golden yellow flowers with mahogany star in center, 2 to $2\frac{1}{2}$ in. across. Dwarf showy plants completely covered with bloom. Pkt., 25c.



3170A MARIGOLD SPRY. 9 in. This is a miniature version of Harmony, growing in compact bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

New Midget Varieties

3111 SIGNATA PUMILA URSULA. Florets measure $\frac{1}{8}$ inch across, of a bright golden orange with a brighter orange zone and eye. Like Lulu it is outstanding for the garden border, edgings and in the rockery. It was in full bloom throughout the season at our Western Springs Trials. Pkt., 25c.

Tetraploid Ageratium

225 AGERATUM DWARF GIANT BLUE TETRA.

10 in. A true "tetra" with unusually large flowers, borne on stiff stems that hold them well above the foliage. Grown from seed, the plants are uniform and compact, comparing favorably with the varieties Riverside and Cardinal Mundelein which are propagated from cuttings. A row of this in our Western Springs Trials was a sheet of true Ageratium-blue. While the stems rise well above the foliage, they are not conspicuous, still are long enough to permit cutting for use in low bowls and flower arrangements. Pkt., 35c.



A Favorite Border Plant

6110 RED RIDING HOOD. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. $\frac{1}{4}$ oz., 75c; $\frac{1}{8}$ oz., 40c; pkt., 15c.



3110 SIGNATA PUMILA LULU. Very compact plant. New Midget Varieties. 7 inches tall, and 12 inches in diameter, completely covered with single dainty florets, $\frac{1}{4}$ in. across. A pleasing shade of bright canary yellow, without a zone but with a small eye that is a trifle darker. Pkt., 25c.

Vivid Patterns in Pink

2247 DIANTHUS BRILLIANT. 18 in. This large flowered strain of free flowering pinks have flowers in crimson, cerise, pink, white and red. It grows in low bushes, with blooms at the end of every stem, and flowers all summer. A lovely cut flower. Pkt., 25c.



3169 MARIGOLD TANGERINE. Distinct shade of bright tangerine-orange. Flowers are double, 2 inches across and completely cover the bushy mound-like plants which grow about 15 inches tall. Early and continuous bloomer. Outstanding in our 1953 Trials. Pkt., 25c.



3168 MARIGOLD LEMONDROP. Early full double canary yellow flower, freely produced on compact plants growing 9 inches tall. This attractive little flower will soon replace Yellow Pygmy as a favorite for the garden border. Pkt., 25c.



Left to right: **BLACK KNIGHT, GUINEVERE, GALAHAD, SUMMER SKIES, KING ARTHUR.**

Pacific Hybrid Delphiniums

Culture: B, D or E, Page 50

Because of superiority to other strains, in many important points, Pacific Hybrid delphiniums have become by far the most popular in this country. We offer its named varieties with the assurance that they come so true from seed, you may count upon plants with little if any variation from the variety description. Plants are 60 to 65% mildew resistant. The stems are straight, strong and whippy, not easily broken by wind. Flowers are enormous, and set close together forming lovely plumes of color. Hybrid delphiniums dominate the garden in late June. In deep, rich soil they grow six feet or more tall, with long spikes of vivid color, or clear white. Besides the Pacific Giant hybrids we offer others which in our opinion are the best available in the world. Seeds germinate in 20 days.

7559B BLUE BIRD. A clear medium blue with white bee with high tall spikes.

7563 BLACK KNIGHT. Large flowers of varying dark violet shade.

7559A BLUE JAY. From medium to dark blue with dark bee.

7563A CAMELIARD SERIES. This is a pure lavender self with white bee.

7560 GALAHAD. Clear white, mildew resistant.

7561 KING ARTHUR. Royal violet, large white bee.

7565 PERCIVAL. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit.

7561A GUINEVERE. Light pink lavender, white bee.

7562 SUMMER SKIES. Light blue with white bee. Each of above, pkt., 50c; 2 pkts. for 90c.

Round Table Series

7559 As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., 50c; 2 pkts. for 90c.

Other Hybrids

7530 BELLADONNA IMPROVED CLIVEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c.

7552 BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color with a white bee. Blooms 2½ inches across. Pkt., 25c

7564 BLACKMORE AND LANGDON STRAIN. A famous English strain. All the clear shades of blue, with bees of contrasting color. Pkt., 35c.

7547 CARDINALE. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers; seed germinates slowly. 2-3 ft. Pkt., 25c.

See perennial pages.



7535 DELPHINIUM Astolat. Pkt., 75c.

New Pink Delphinium

7535 DELPHINIUM ASTOLAT. For several years Frank Reinell, originator of Pacific Hybrid Delphiniums, has been working to create pink delphiniums, equaling in size and beauty of flowers his famous white and blue varieties. Success has rewarded his efforts in this new strain, with flowers in varying tints of blush pink, true pink and mulberry pink, all with dark bees. They grow tall, with strong, whippy stems, with florets as large and spikes which compare favorably with those of the other Pacific Giants. All the various pink tones are lovely to see. The outstanding perennial novelty of the year. Pkt., 75c.

Species Delphinium Sapphire Blue

7538 DELPHINIUM SAPPHIRE. 3 ft. An improved variety of the species delphinium formosum noted for hardiness, long life and its deep blue color. Somewhat paler than the original, with a tiny golden pollen accent, its blue has a special luminous jewel-like quality, in the sunlight. Pkt., 50c.



New Early Flowering Asters



550 ASTER POWDERPUFFS. Pkt., 35c.

550 ASTER POWDERPUFFS. Tailor-made for the home gardener, entirely different from the usual branching type. Imagine a ribbon of pink, azure, rose, crimson, white, scarlet and blue, so solidly made of 3 to 3½ inch fully double flowers the foliage cannot be seen. Plants 24 inches high, yet take less than 12 inches of space, all the flowers on top, as many as 20 per plant. August blooming, highly wilt resistant. Pkt., 35c.

556 ASTER BURPEANA MIXED. An extra early long-stemmed variety snowy-white, shell pink, rose, crimson, blue, violet and purple. Globe shaped flowers, 3 to 4 inches, with attractive incurved petals, on long strong stems, ideal for cutting or garden decoration. Pkt., 25c.



Pure Gold Celosia

1451 GOLDEN FLEECE. A pure gold with tremendous plumes for garden and cutting. Easily grown, thrives in all locations and does exceptionally well in hot summers. Pkt., 25c.



Triple Angel's Trumpet

2112 ANGEL'S TRUMPET IVORY KING (DATURA). "Crown-in-crown" flowers of that enchanting rich Golden ivory coloring one finds in antique ivory chessmen, which blends perfectly with all other colors. Ivory King is a vigorous growing annual that is in bloom from mid-July until frost. Plants about 30 in. tall, as broad as they are tall. Pkt., 35c.



New Alyssum Spreads Violet Carpet

265 ALYSSUM ROYAL CARPET. 4 in. All America Silver Medal, 1953. A rich violet-purple of compact spreading habit. Remarkably uniform in color and growth, the perfect companion to Carpet of Snow (Vaughan's Little Gem). Coming into flower very quickly and lasting throughout the entire season. Pkt., 25c; ¼ oz., 75c.

CAUTION: Seeds and other parts of Datura and Ricinus (Castor Bean) plants are poisonous and should not be planted where small children are likely to eat them.

Pink "Spider-Plant"

1803 CLEOME PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. Well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

Newer Marigolds



3144 MARIGOLD EARLY SUNSET GIANTS. Pkt., 25c.

New Early Giant

3144 MARIGOLD EARLY SUNSET GIANTS. $3\frac{1}{4}$ to 4 ft. This is an early flowering strain of the popular Sunset Giants, largest of all marigolds bearing flowers that are sometimes $7\frac{1}{2}$ inches in diameter. This blooms 18 to 20 days earlier than the older strain, each plant bearing 8 to 12 enormous blooms in a festive range of color, including cream, buff, lemon, gold and orange. Plants are vigorous and stems strong. Pkt., 25c.



New Strain of Dwarf Double Marigolds

3160 MARIGOLD PARISIAN HYBRIDS. 12-15 in. Colors and combinations new to the Dwarf French class rewarded the breeders of this new strain. Flowers are all fully double, and include solid colors and attractive blends in all the hues between pale yellow, and deepest coppery red. Every conceivable variation in blotched, striped and mottled flowers is included. Flowers are 2 inches across, foliage a dark green. Pkt., 35c; 1-8 oz., 75c.



All the Dwarf Marigolds

A delightful group of highly decorative small flowered marigolds has been developed in the last few years. The increased color range extends from bright yellow to darkest maroon, with many attractive blends of yellow, red and orange. Their great variety lends interest to bowl arrangements and there is no better subject for the cutting garden than mixture of small flowered marigolds.

3157 VAUGHAN'S SPECIAL MIXTURE of small flowered marigolds, including Gnome, Red Head, Naughty Marietta, Royal Scot, Harmony, Melody, Yellow Pigmy, Scarlet Glow, Robert Beist and others. Pkt., 25c.



3137 MARIGOLD GLITTERS. Pkt., 25c.

Big Flower, Small Bush

3137 GLITTERS. All America Bronze Medal 1951. It has large clear yellow double chrysanthemum flowered blooms, bushy erect plants, $2\frac{1}{2}$ ft. tall with long cutting stems. Foliage dark green, rich background for the 3 to 4 inch flowers of clear yellow with fringed outer petals. Earlier and dwarfer than Mammoth Mum, larger flowered and lighter colored but with habit of Golden Bedder. Pkt., 25c.



3167 MARIGOLD RUSTY RED. Pkt., 25c.

3167 RUSTY RED. Large fully double flowers, 2 inches and more across, of a rich rusty red, delicately edged golden yellow. The freely produced flowers are borne well above the dwarf bushy plants from early in summer until late into the fall. $1\frac{1}{2}$ ft. tall. Unlike most doubles, which are extremely regular in form, Rusty Red blossoms have an irregular outline, which adds greatly to their charm, not only in the garden display, but also when they are used as cut flowers. Pkt., 25c.

Pinkest Pansy is One of the Largest



3901 PANSY SWISS RASPBERRY ROSE. Pkt., 35c.

3901 PANSY SWISS GIANTS RASPBERRY ROSE. Pink is a rare color among pansies. This lovely variety is a Swiss Giant, of which the blossoms can be grown to exceed 6 inches in diameter. The color is well reproduced by the illustration; the experts call it raspberry rose. Edges of the petals have a lighter tone, and this, together with the dark velvety blotches on the petals, enhances the charm of the flower. A solid bed of this variety, planted in the shade, can be kept blooming all summer, if the faded flowers are kept picked off. Pkt., 35c.



Scotch Violas

8582 SUPER LARGE FLOWERING SCOTCH. Preferred by specialists, Scotch Violas are much larger than Jersey Gem type, all two-toned in lovely clear colors without blotches. In continuous bloom under good culture; sturdy compact growth, outstanding bedding material. Pkt., 25c.



Peach Color Viola

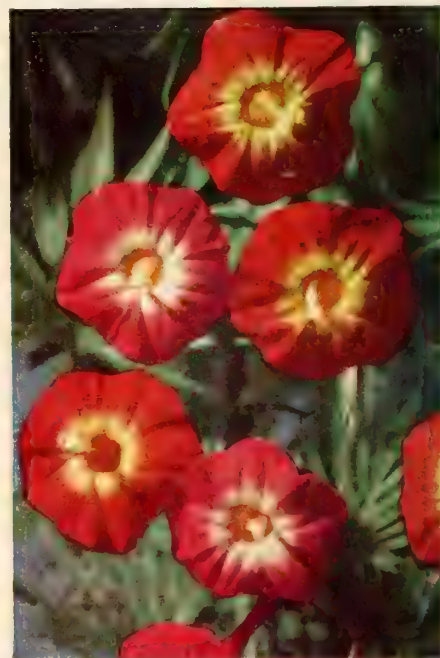
8585 GEORGIA PEACH. Bright new shades of delicately peach colored, large blooms, slightly ruffled on the edges. Plants are uniformly compact and well formed. A gay color which should prove of interest to all. Pkt., 35c.



Large flowered Pink Morning Glory

2945 MORNING GLORY CANDY PINK. The first pure pink Morning Glory. Large 4 inch flowers of the brightest rose-pink coloring, clear and sparkling. The bright and cheerful flowers last but one day, though each morning masses of new flowers are born and continuing thus throughout the Summer and until frost. Planted alone, or as a companion to Heavenly Blue Morning Glory this lovely flower will provide a spectacular display when grown on a trellis, or allowed to trail from a planting box or the top of a pillar. Pkt., 25c.

For time it takes
seed to germinate
look up flower in
Pages 19 to 42.



HEARTS AND HONEY. Pkt., 25c.

Colorful New Climber

2690 HEARTS AND HONEY. The first color break out of Cardinal Climber. Flowers open in early morning a brilliant pinkish-orange with contrasting center of soft honeylike yellow; by mid-morning the color has changed to a brilliant pinkish-red and the center becomes somewhat lighter and by afternoon the flower is a sparkling pure rose-pink with creamy white center. Leaves are jaggedly cut of a deep clear green, while the 2 inch flowers are projected from long narrow 2 in. tubes. Blooms through Summer into Fall until vines are killed by frost. Pkt., 25c.

Petunias



3949 PETUNIA All Double Colossal Shades of Rose. Pkt., \$1.00.

Best All-Double Pink

3949 COLOSSAL SHADES OF ROSE. 18 in. Largest All-double variety of American introduction. Silver Medal 1946. Plants of luxuriant growth bear 4½-inch flowers in abundance, varying in color from light pink to deep, purplish rose some being fringed and some plain-edged. Lovely in bowl arrangements. Pkt., \$1.00.



4061 PETUNIA BALLERINA. Pkt., 50c.

4061 BALLERINA. F-1 HYBRID. 2 ft. All America Honorable Mention, 1952. As proved by the variety Silver Medal, an F-1 hybrid petunia has a magic vigor, which increases its flowers, brightens their color, produces bushier, compact growth with stronger stems. With so lovely a flower as Ballerina, a large single fringed blossom of soft glowing salmon, all these added qualities produce an outstanding plant. The flowers are 3½ to 4 in. across, plants dwarf and compact, blooms so numerous they almost hide the foliage. Pkt., 50c.

Fiery Red Fringed Giant

4050 PETUNIA FLAME. 18 in. A new variety of the Giant Single Fringed class, in which are found the largest and most beautiful blossoms of this flower, its chief merit is the warm coloring, rare among petunias. While most pink and red petunias are really tones of rose, Flame is a true scarlet, the first petunia of its class to achieve this much desired hue. Pkt., 50c.



4097 PETUNIA Little Giant Pink Frills. Pkt., 50c.

Fringed Ruffled Little Giants

4097 PETUNIA LITTLE GIANTS PINK FRILLS. (PINK SHADES.) A selection of the light to dark pink shades out of the popular fringed and ruffled Little Giants Strain, retaining the same compact growth habit, size and freedom of bloom of the parent strain. A brilliant rich selection. Introduced exclusively by us in 1952 as "Pink Shades." Pkt., 50c.



4174 DWARF PHLOX Beauty Mixed. Pkt., 25c.

Largest Flowering Dwarf Phlox

A new strain of Dwarf Annual Phlox, called Beauty, has the largest flowers of any. It grows round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the older strains. The colors are clear and soft, many pure self colors. Sow the seeds directly where they are to grow. Seeds germinate in 20 days.

4166 BLUE BEAUTY 4169 PINK BEAUTY 4170 SALMON BEAUTY
4171 SCARLET BEAUTY 4173 WHITE BEAUTY

4174 BEAUTY MIXED. A formula blend, including all colors shown in our illustration.

Each of the above, pkt., 25c.



6035 ZINNIA CACTUS FLOWERED HYBRIDS. Pkt., 25c.

New Giant Cactus Flowered Zinnias

This new strain of zinnias, whose giant flowers, 5 inches or more across, have charmingly irregular petal formations and arrangement, becomes increasingly important with the selection of more single colors which come true from seed, and have a special soft but brilliant pigmentation.

The petals of these flowers resemble those of dahlias of the cactus and semi-cactus classes. Some petals are attractively quilled, others gracefully curled, and all are different from the rather stiff formality prevailing in zinnias of older strains.

Our Color Illustration includes the varieties listed below, which are easily recognized from the descriptions.

6039 **ESKIMO.** Opens creamy white, changing to pure white. Pkt., 25c.

5857 **FLORADALE SCARLET.** Intense scarlet red. Pkt., 25c.

6038 **RIVERSIDE BEAUTY.** Warm azalea-pink. Pkt., 25c.

6040 **SUNNY BOY.** Rich buttercup-yellow. Pkt., 25c.

6035 **CACTUS FLOWERED MIXED (GIANT BURPEE HYBRIDS).** A complete color range of the softer Zinnia colors, including lovely pastels found nowhere else. Pkt., 25c.



Brightest red of all Zinnias

5880 **ZINNIA BLAZE.** Newest most vivid of the Giant Cactus Flowered Group. Outstanding for the uniform doubleness of its gracefully quilled petals which reach 5¼ in. across. Brilliant mandarin-red flowers which soften to scarlet-orange as the flowers attain size. Free blooming, uniform plants 28 to 32 inches tall. A delightful cut flower as well as unrivaled for mass displays. Pkt., 35c.



6180 ZINNIA PEPPERMINT STICK MIXED. Pkt., 25c.

Gay Candy Striped Zinnias

6180 **ZINNIA PEPPERMINT STICK MIXED.** An interesting new development in the popular striata or striped type, reselected for a wider color range, including red and white, red and yellow, pink and white, orange and white and purple and white. Plants are somewhat taller than the Pumila type, flowers are medium sized. Early to flower, they are produced in profusion until frost if kept picked. Pkt., 25c.

Reddest of all Salvias

4669 **SALVIA ST. JOHN'S FIRE.** Our own reselected strain coming into flower early, while the plants are but a few inches tall, and remaining in bloom until frost. The bright scarlet spikes stand densely and rigidly upright above the foliage on the uniformly compact plants. Pkt., 35c.

Salvias are easily grown from seed started in a cold frame, electric-heated hot-bed, or an indoor seed box in a sunny window. Varieties of the species splendens, to which St. John's Fire belongs, are tender and should not be set out in the garden until danger of frost is over. An excellent way to grow the plants is in plant bands, in which seed are sown, or seedlings are transplanted from the seed box as soon as they have made true leaves. Seed germinate in 15-20 days. Start seed in the house four weeks before the safe date to move outdoors, six weeks before this date if grown in an electric hot-bed.



4669 SALVIA ST. JOHN'S FIRE. Pkt., 35c

White and Violet Alyssum

IDEAL EDGING PLANT

For ribbon planting, or edging beds and borders the white and violet alyssums are ideal. Fragrant, dwarf, bushy, everblooming, and easy to grow from seed sown direct, they never fail to delight.

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Seed germinates in 5-10 days

255 VAUGHAN'S LITTLE GEM (White Carpet). 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., \$1.80; ½ oz., \$1.00; ¼ oz., 55c; pkt., 15c.

250 MARITIMUM (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Not recommended for edging, but for fragrance and mass effect. Mix the seed with sand to prevent sowing too thickly. Pkt., 15c.

259 VIOLET QUEEN. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ⅙ oz., 35c; ¼ oz., 60c; ½ oz., \$1.10; 1 oz., \$2.00; pkt., 15c.

256 VIOLET & WHITE MIXED. Pkt., 25c.

265 ROYAL CARPET. See Novelties. ⅙ oz., 75c; Pkt., 25c.

See also Perennial Pages.

259 ALYSSUM Violet Queen. Pkt., 15c.

255 Ribbon Planting of Vaughan's ALYSSUM Little Gem. Pkt., 15c.

Amaranthus

Culture: A, B, D or E, Page 52

275 TRICOLOR (JOSEPH'S COAT). 2½ ft. The inner foliage is blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 15c.



195 AGERATUM Midget Blue. Pkt., 25c.

Ageratum

Culture: A, B, D or E, Page 52

One of the best sources of blue-purple flowers which are so important to balance color-effects in the garden. Its dense, tightly clustered heads of tubular flowers are borne freely until killing frost. Germinates in 5-10 days.

195 MIDGET BLUE. 3 in. Of varieties suitable for ribbon-planting this is the most uniform in habit and even in color, when grown from seed. Flowers of ageratum-blue smother the globular plants. Pkt., 25c.

197 BLUE BALL IMPROVED. 6 in. Flowers are of deep periwinkle blue, covering the compact plants, which have dark green foliage. Pkt., 25c.

225 DWARF GIANT BLUE TETRA. See Novelties Pkt., 35c.

180 TALL BLUE. 18 in. For cut flowers or use in the border as a foil for other colors, this is excellent. Its soft lavender harmonizes with any color and adds to its effect. Pkt., 15c.

OTHER COLORS

214 FAIRY PINK. 5 in. A compact dwarf of soft salmon pink which begins to flower when 2 inches high and develops into a compact mound of bloom. Pkt., 25c.



311 ANCHUSA Blue Bird. Pkt., 20c.

Anchusa Blue Bird

Culture: A, B, D or E, Page 52

311 2 ft. One of the best blue annuals, bearing on upright branching stems terminal spikes of forget-me-not flowers, intense blue with white eye. By cutting back the growth when flowers fade, all-summer bloom may be assured. Seed germinates in 15 days and growth is rapid. Pkt., 20c.

See also Perennial Pages.

Acroclinium (Everlasting)

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The flowers resemble the English daisy, with lovely pastel colors which remain unfading when it is dried for winter bouquets. Blooms in six weeks. Germinates in 15 days.

166 SENSATION DOUBLE GIANT MIXTURE. 20 in. Double or semi-double flowers of white, chamois flesh pink and bright rose. Pkt., 15c.

BEGONIAS: For a complete listing see our list for the Home Greenhouse and House Plants From Seed. Page 50.



358 SNAPDRAGON MASTER BLEND. Pkt., 35c

Newest Garden Snapdragons

Culture A, B, D or E, Page 52

358 MASTER BLEND. A new strain of Snapdragon bred to overcome the disappointment of late flowering in the "Tetra" varieties, yet with the same large bloom and fine plant habit. Very free flowering, they come in quite early, before heat of Summer can injure the flower spike. A good range of color; unexcelled for the garden border or cutting. Pkt., 35c.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged. Seeds germinate in 20 days

8 BEST COLORS

From careful records the 8 varieties listed below have been determined to be the most popular with home gardeners because of their bright colors and vigorous growth.

- 317 CHERRY ROSE.** Brilliant deep cherry rose. An outstanding new color.
- 336 ROSALIE.** Rich deep rose with an underlying tone of topaz or amber.
- 341 ALASKA.** The finest pure white.
- 343B CAMPFIRE.** Pure luminous scarlet.
- 344 CANARY YELLOW.**
- 346 LOVELINESS.** Pure soft rose-pink.
- 353 PINK SENSATION.** Pure pink, frilled flowers.
- 347 RED CROSS.** Deep rich crimson, white tube.

Each of the above, pkt., 20c; 3 pkts., 50c.

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. (Antirrhinum). Includes all the Rust Resistant varieties listed, and others bought especially for it, providing a never ending color feast of long stemmed flowers. 1/8 oz., 90c. Pkt., 20c.

Vigorous Crimson Giant

431 VELVET GIANT. 2 1/2 ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c.

Miniature Snapdragons

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

432 MAGIC CARPET. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Pkt., 25c.

For the difficult spot in your garden, try Coleus Vaughan's Rainbow Mixture. Does well in shaded and semi-shaded locations where protection from the bright sun brings out the rich colors. Take a few cuttings from your plants to grow on in the house for winter flowering.

Tetra Snapdragons

These unique flowers were created by science with an amazing treatment which changed the cell structure of the plants. "Tetra-snaps" are probably the most conspicuous success this method has so far attained.

Every merit which snapdragons have as a garden flower is magnified. They have greater vigor, a longer flowering season, darker green, glossier foliage, stronger stems, and their flowers have more and larger florets, with ruffled petals and brighter colors.

427 VAUGHAN'S SNAPDRAGONS TETRA SUPREME MIXED. A complete color range from shell pink to the deepest rose, from dark bronze through orange to pale yellow, with many intermediate sunset tints which are found in no other strain. Pkt., 25c.

430 WHITE. Creamy white changing to pure white as flower ages. The primrose throat adds to the attractiveness of the large beautifully formed flowers.

434 APPLEBLOSSOM. Glistening pink with white tube.

436 BRILLIANT ROSE. Large florets of a true rose pink.

433 CANDLELIGHT. Clear bright yellow.

438 CRIMSON. A deep yet bright velvety crimson.

429 ORCHID. Rich orchid-purple with yellow blotch.

435 SHADES OF ROSE AND PINK. Ranging from lightest pink to the deeper tones of rose. Especially fine for the cutting garden.

428 YELLOW. A rich clear color.
Each of the above, pkt., 25c.

SNAPDRAGONS IN MIXTURE

Our mixtures are "Formula-Made" to insure your receiving the most complete color range.

332 SUPER MAJESTIC MIXED. (Rust Resistant). Semi-tall, giant flowered, 16 to 20 in. Recommended for the Home Gardens. Pkt., 20c; 3 pkts., 50c.

348 MAXIMUM MIXED. (Rust Resistant). Giant flowered, spikes 32 in. tall and blooms 2 to 2 1/2 in. across. Outstanding as cutflowers, the kind florists grow. Pkt., 25c; 3 pkts., 65c.

444 COLOSSAL MIXTURE. A strain of tremendous vigor producing in the outdoor garden strong spikes 3 ft. tall, filled with large florets. A well balanced color range that includes crimson, orange shades, pinks, white and clearest yellow. Pkt., 25c.



431 ANTIRRHINUM VELVET GIANT. Pkt., 25c

Wilt Resistant Asters

Culture A, B, D or E, Page 52

If planted in the garden among other plants, Asters do not seem as susceptible to disease as when planted in solid blocks. Wilt Resistant varieties are resistant to most of the Wilts that cause the seedlings to sag suddenly and die before they can bloom.

Aster Yellows are somewhat more difficult to control. Spraying with Lindane or D.D.T. to control leaf hoppers helps somewhat. Best preventative is to grow Asters inside a screen or cloth house such as is used for Dahlias. Plants in the open garden are subject to constant attack, so persistent, regular spraying is needed to kill the leaf hoppers that carry the disease. Aster seeds germinate in 8-10 days.



689 ASTERS Super Giant Mixed. Pkt., 25c.

SUPER GIANT 3 FT.

Spectacular in the garden and valuable as a cut-flower because of its long, wiry, non-branching stem and huge ostrich feather flowers. Blooms late summer to frost.

- 680 BEVERLY HILLS. Azure blue.
- 681 EL MONTE. Crimson.
- 682 HOLLYWOOD. Pure paper white.
- 683 PASADENA. Peachblossom.
- 684 SANTA BARBARA. Dark Purple.
- 685 LOS ANGELES. Shell pink.

Each of the above, pkt., 25c.

- 689 MIXED. A full range of color including the above and others yet to be released. Pkt., 25c.

GIANT BRANCHING 2 TO 3 FT.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

- | | |
|-----------------|--------------------------|
| 905 AZURE BLUE. | 904 CRIMSON. |
| dark lavender. | 901 WHITE. |
| 903 DEEP ROSE. | 902 SHELL PINK. |
| 906 PURPLE. | 908 SENSATION (SCARLET.) |

Each of above, pkt., 15c; any 3 pkts., 40c.

- 898 MIXED. $\frac{1}{8}$ oz., 50c; pkt., 15c.

GIANT CREGO Ostrich Feather 2 ft.

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

- | | |
|------------------------|----------------|
| 559 AZURE BLUE. | 563 DEEP ROSE. |
| 560 BLUE FLAME, | 564 LAVENDER. |
| navy blue. | 565 PINK. |
| 560A CATTLEYA, Orchid. | 566 PURPLE. |
| 561 CRIMSON. | 569 WHITE. |

Each of above, pkt., 15c; any 3 pkts., 40c.

- 575 MIXED. $\frac{1}{8}$ oz., 50c; pkt., 15c.

AN OLD FAVORITE

In the opinion of many it has never been surpassed.

929 HEART OF FRANCE. 18-24 in. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show a soft warm velvety texture. Pkt., 20c.

Princess Asters

WILT RESISTANT

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Vaughan's Princess Asters are characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers. Plants are branching. Early and free bloomers, they make splendid cut flowers. 2-2½ ft.

- 622 ALICE. Bright azure blue.
- 618 ELIZABETH. Pure white.
- 623 GOLDLOCKS. Early, deep yellow.
- 619 MARGARET. A true rose.
- 629 NANCY. Glowing salmon pink, gold center.
- 617 PAT. Bright crimson.
- 620 SUSAN. Clear deep blue.
- 630 VIRGINIA. Bright mid-blue.
- 632 VAUGHAN'S MIXTURE OF PRINCESS ASTERS, containing all the above and others procured especially for our mixture.

Each of the above, pkts., 25c.

QUEEN OF THE MARKET (EARLY) 2 FT.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

- 928 MIXED. Pkt., 15c.
- 850 BALLET TYPE MIXED. The new Queen Type with full centers, large flowers and long stems. Very early to flower, it is highly wilt resistant. A well-balanced color range which includes purple, rose, light blue and white. Pkt., 25c.

628 A MIXTURE OF ALL GIANT VARIETIES. A formula-blend which was first prepared for our Retail Stores where it fast became the favorite because of its large number of important and popular Giant Flowered sorts with a wide range of color. An outstanding value for the cutting garden or mixed bed or border. Pkt., 25c.

Sunshine Asters

887 ASTER GIANT CALIFORNIA SUNSHINE MIXED. 2 ft. The flowers 4 to 5 in. across; are composed of a single row of loosely placed outer petals

with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. $\frac{1}{4}$ oz., 75c; pkt., 25c.

Early Giant

1½ TO 2 FT.

544 EARLY GIANT MIXED.

The large flowers, $\frac{1}{2}$ to 5 inches across, are fully double, with broad graceful petals, daintily plumed and intertwined. The earliest to flower. A complete range of color which includes white, soft blues, rich rose, crimson and delicate pinks. Pkt. 25c.



887 ASTER Giant California Sunshine Mixed. Pkt., 25c.



632 PRINCESS ASTER Special Mixture; Pkt., 25c

Single Asters

Both in the garden and in the house these lovely daisy-blossoms of vivid coloring are highly esteemed by advanced gardeners and florists.

949 ASTER RAINBOW MIXTURE. 24 inches. A new strain of single asters producing large flowers of all colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Pkt., 25c.

556 BURPEEANA MIXED. See Novelties. Pkt., 25c.

550 POWDERPUFFS. See Novelties. Pkt., 35c.

640 COLLECTION OF VAUGHAN'S WILT RESISTANT ASTERS, 75c. One packet each of six varieties. Giant Crego—569 White, 564 Lavender, 565 Pink. Giant Branching—906 Purple, 908 Azure Blue, 903 Deep Rose.

5840 Surprise Garden Special Mixture. Trial packet of this famous mixture of Annuals. Pkt., 15c.

Surprise!

GARDEN MIXTURE

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz. 35c.

5848 VAUGHAN'S SURPRISE GARDEN OF ANNUALS is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. These packets make welcome gifts. Oz., 35c; ¼ lb., \$1.25.



5848 SURPRISE GARDEN MIXTURE. Oz., 35c.

Irish Green Bellflower

Culture: A, B, D or E, Page 52

1138 BELL OF IRELAND. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Strip stalk of foliage and leave only the delicate bell-shaped calyx, hang in cool dry place, as you would Strawflowers. It will then retain more of the true green color and prove an interesting addition to your bouquet of Everlastings. Pkt., 25c.



1057 BUSH BALSAM Rose. Pkt., 25c.

Bush Balsam

Culture: A, B, D or E, Page 52

Free-flowering strain of bushy growth. Double flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. In white, rose and red, 1½ to 2 ft. Seeds germinate in 15 days.

1057 ROSE. 1055 WHITE REFLECTED ROSE. 1053 SCARLET. 1054 WHITE.

Each of above, pkt., 25c; 3 pkts., 65c.

1051 MIXED. ½ oz., 60c; pkt., 25c.

Balsam (Lady Slippers)

An old favorite producing short stemmed double flowers at the axils of the leaves. The plants like hot sun, rich soil and plenty of water.

1040 DOUBLE ROSE AND CAMELLIA-FLOW-ERED MIXED. 1½ to 2 ft. ¼ oz., 35c; pkt., 10c.



1138 BELL OF IRELAND Pkt. 25c.

Swan River Daisy

Culture: A, B, D or E, Page 52

Brachycome

A free-flowering, dwarf-growing annual covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture. Seed germinates in 8-12 days.

1146 MIXED. 12 in. All colors. Pkt., 15c.

Gay Calliopsis Clan

Culture: A, Page 52

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. Seeds germinate in 10-20 days.

1245 VAUGHAN'S SPECIAL MIXTURE. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. Pkt., 15c.

Blue Browallia

Culture: A or B, Page 52

Profusely blooming dwarf plant, covered during summer and autumn with winged flowers of intense blue. Grows freely in any rich soil. Germinates in 20 days.

1161 SAPPHIRE. 1 ft. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c.

Cacalia (Tassel Flower)

Culture: A only, Page 52

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect. Seeds germinate in 15 days.

1170 MIXED. 2 ft. Scarlet and yellow Pkt., 15c.

4574 ANNUALS ROCK GARDEN VAUGHAN'S SPECIAL MIXTURE. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. Pkt., 25c.

English Daisy

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 52

Double Giant Daisies which are hardy perennials but bloom quickly from seed. Remarkable effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders. Seed germinates in 5-10 days.

1131 MONSTROSA MIXED. Pkt., 20c.



1131 BELLIS. Monstroza Double Mixed. 20c.



1146 BRACHYCOME Mixed. Pkt., 15c.

Newest Calendulas

Culture: A, B, D or E, Page 52

Quilled Calendula

1220 CALENDULA ORANGE QUILLS. Mid-orange flowers, $3\frac{1}{2}$ inches across of unique form. Petals open flat but soon begin to curl downward at the edges so as to meet underneath forming a quill. Pkt., 25c.

Pacific Strain

At last, Calendulas can be had that will flower in spite of Summer heat. Flowers are larger, with longer stems. If sown very early in Spring and again July 1st, Calendulas can usually be had in bloom longer than any other annual. They are often the last Annuals in bloom in the garden. Seeds germinate in 10 to 16 days.

1209 PACIFIC GOLDEN GIANT. 24 in. True golden orange.

1208 — APRICOT BEAUTY. The attractive two-toned effect is more clearly pronounced than in the older type.

1210 — CREAM BEAUTY. Creamy-white deepening to soft yellow.

1211 — LEMON BEAUTY. Pure lemon yellow.

Each of the above Pkt., 25c any 4 pkts., for 80c

1212 PACIFIC BEAUTY MIXED. A blend of the above described varieties. Pkt., 25c. $\frac{1}{8}$ oz., 50c.

1206 Vaughan's Special Mixture. This is a well balanced mixture of the finest named varieties, including the giant variety Campfire, Pacific hybrids, the popular Chrysanthra strain and other fine varieties and types.

In color they range from soft cream yellow to bright orange, giving a delightful collection for cut flower use, as well as for border display. They are selected for heat resistance, so give a longer season of bloom than most. Pkt., 15c.



1212 CALENDULA Pacific Beauty Mixed.
Pkt., 25c.

Garden Carnations

Culture: A or B, D or E, Page 52

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Seed germinates in 12 days. Plants lifted in fall and cut back will bloom again indoors.

1329 GIANT ENFANT DE NICE MIXED. Of compact growth, the extremely stiff stems carry flowers $2\frac{1}{4}$ to $2\frac{3}{4}$ inches across without disbudding. A well-balanced blend including white, salmon, rose and red. Comes 75%; true to color from seed and 90% double flowers. Pkt., 35c.

1345 EARLY AND PERPETUAL FLOWERING SUPER GIANT MIXED. The largest flowered clove scented strain for garden use. Produces excellent cut flowers under cold frame forcing. Pkt., 25c.

1350 GIANT MARGARET MIXED. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., 15c.

1351 J. M. BRIDGEFORD. (Malmesdon.) $1\frac{1}{4}$ ft. From seed sown indoors (or outdoors) bears in 90 days on long stems lovely fully double Carnations, 3 to 4 inches across of all Carnation colors, most fragrant of all. Flowers throughout the summer. Pkt., 50c.

See Perennials.



1250 CANARY BIRD VINE Pkt., 25c.

Canary Bird Vine

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c.

Vaughan's Seed Company 23



1220 Calendula Orange Quills, Pkt. 25c.



Cardinal Climber

Culture: A, B, D or E, Page 52

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage. It bears fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Germination takes 5-10 days. Pkt., 15c.

2690 HEARTS AND HONEY. See Novelties. Pkt., 25c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets. Sorry, cannot be sent to California on account of quarantine regulation Pkt., 25c.

Grow Cacti from Seed

Culture: C, D or E, Page 52

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 CACTI. All kinds and forms mixed.

Pkt. 25c; 5 pkts. for \$1.00

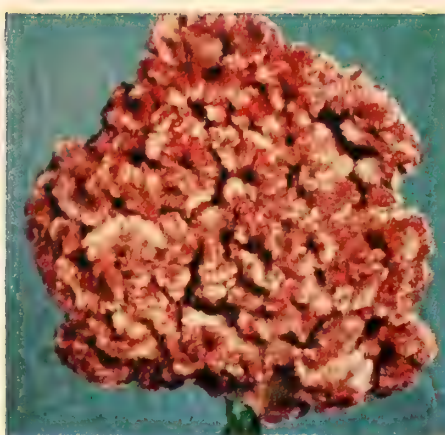


1390 CARNATION VAUGHAN'S SPECIAL MIXTURE. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation Pkt., 35c.

Bird of Paradise

Culture: D, Page 52

1149 POINCIANA GILLIESI. 2 ft. Popular name is due to fancied resemblance of the flowers, in profile, to the head of the Bird of Paradise. Blossoms are of rich golden yellow, with long incurving stamens and pistils of crimson. Germinates in 15 days. Seed should be started under glass and plants carefully hardened off before setting in the garden. Very susceptible to cold. Pkt., 15c.



1437 CELOSIA GILBERT'S ROSE BEAUTY
Pkt., 25c.

Celosia (Cockscomb)

Culture: A, B, D or E, Page 52

THE popular name is derived from the resemblance of the flower heads of the crested type to a cockscomb though in texture they are like plush or chenille.

CRESTED SORTS

Gilbert Varieties

While All Celosias may be dried, the Gilbert Varieties, with their varied color range are particularly well adapted to this, which makes them a welcome addition to the Everlasting or Winter Bouquet.

Cut flowers at any growing stage, strip off leaves, hang head downward in a very dry, warm dark place. Do not let flower heads touch. Allow to dry two weeks. Any chaff may then be carefully rubbed off and flowers are ready for use.

1436 GILBERTS' MAPLE GOLD. 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c.

1437 GILBERT'S ROSE BEAUTY. 2 ft. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type. Makes an excellent cut-flower. Pkt., 25c.

1439 GILBERT'S HARLEQUIN. 2 ft. Uniform bush type, pinkish gold turning to a salmon, then to a bright shell-pink. Excellent as a cut-flower at any stage. Perfect plant for bedding purposes. Pkt., 25c.

1434 GILBERT'S MAPLE GOLD AND ROSE BEAUTY MIXED. 2 ft. A pleasing blend of two famous Gilbert varieties. Pkt., 25c.

1440 GILBERT'S GREEN GOLD. Silver green, balled shaped combs fused with light pink and a touch of yellow. Foliage bright green, flower heads 6 to 10 inches, plant 2 ft. Dries a silvery color. Pkt., 25c.

1441 GILBERT'S GOLD DUST. Rich yellow with silvery sheen, ruffled, ball-shaped heads on branched plants, bright green foliage. Turns deep gold or chartreuse as it matures. Excellent cut and for winter bouquets; Pkt., 25c.

1472 ROYAL VELVET. 2ft. Produces numerous long-stemmed plummy heads of crimson. Foliage bronzy green with reddish margins. Pkt., 25c.

1443 TOREADOR. See Novelties. Pkt., 25c.

1435 TALL MIXED. Pkt., 15c.

1430 CRESTED DWARF SORTS MIXED. 8-10 in. Pkt., 15c.

OSTRICH PLUME SORTS

The numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1460 PRIDE OF CASTLE GOULD. Compact pyramidal plants produce immense flower heads, resembling plumes in many colors. Pkt., 25c.

1468 CHINESE WOOLFLOWER MIXED. 2 to 3 ft. Pkt., 15c.

1451 GOLDEN FLEECE. See Novelties. Pkt., 25c.

Cypress Vine

Culture: A, B, D or E, Page 52

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow when ground is warm, first soaking seeds in warm water, germination takes 5-10 days

2040 MIXED. Scarlet and white. Pkt., 15c

24 INDEX ON FINAL PAGES

Popular Bachelor Buttons

Culture: A, B, D or E, Page 52

CENTAUREA CYANUS SUPER DOUBLE 3 Ft.

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer. Seeds germinate in 8 days.

1505 BLACK BOY. Blackish-maroon. Pkt., 15c.

1506 BLUE BOY. The true cornflower blue. Pkt., 15c; ¼ oz., 30c.

1507 PINKIE. Lovely true pink. Pkt., 15c.

1508 RED BOY. Deep glowing red. Pkt., 15c.

1509 SNOWMAN. Pure white. Pkt., 15c.

1522 VAUGHAN'S SPECIAL SUPER DOUBLE MIXED. ¼ oz., 30c; ½ oz., 50c; pkt., 15c.

1504 JUBILEE GEM. 12 in. Compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. Pkt., 15c.

1500 JUBILEE MIXED. 1 ft. Similar in habit to blue Jubilee Gem, forming low bushes with a blossom terminating every stem and branch in a good range of color. Pkt., 25c.



1522 CENTAUREA Cyanus Vaughan's Special Super Double Mixed. Pkt., 15c.

Giant Sweet Sultans

Culture: A, B, D or E, Page 52

The beautiful, decorative flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture. Seeds germinate in 8 days.

1570 CENTAUREA IMPERIALIS, MIXED. 2½ ft. Pkt., 10c.

CINERARIA. See page 50.

Double Clarkia

Culture: A, B, D or E, Page 52

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier. Seeds germinate in 8 days.

1790 VAUGHAN'S SPECIAL MIXTURE. 3 ft. Made up especially from named varieties ¼ oz., 35c; pkt., 15c.



1790 CLARKIA Vaughan's Special Mixture. Pkt., 15c.

Daisy Corner

2050 VAUGHAN'S MIXTURE OF ANNUAL DAISIES. These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.



Cobaea

(Cathedral Bells)

Culture: A, B, D or E, Page 52

1820 SCANDENS. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. They germinate in 15 days. Very vigorous and prolific bloomer. Pkt., 15c.

Candytuft (Iberis)

Culture: A, B, D or E, Page 52

Successive planting give flowers all summer. Seed germinates in 5-10 days. May be sown late in Fall in Tulip beds for summer flowering.

1260 GIANT HYACINTH FLOWERED WHITE. 1 ft. Large, bold spikes of snowy white flowers. Plant sturdy and compact. Pkt., 15c.

1287 UMBELLATA MIXED. 1 ft. Flowers in umbrella form. ¼ oz., 30c; pkt., 15c.

1290 DWARF HYBRIDS MIXED. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz., 30c; pkt., 15c.

ANNUALS FOR FRAGRANCE

Alyssum	Heliotrope	Petunia
Candytuft	Lantana	Scabiosa
Carnation	Matthiola	Stocks
Centaurea	Mignonette	Sweet Peas
Imperialis	Nasturtium	Wallflower
Dianthus	Nicotiana	

2118 FRAGRANT ANNUALS MIXED. A mixture of the above varieties. Pkt., 25c.

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c

Cosmos from July to Frost

Culture: A, B, D or E, Page 52

Plants of graceful beauty, fine feather foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. If the faded flowers of the early varieties are kept cut, they will provide a succession of bloom from July until killing frosts. Seeds germinate in 8 days.

SENSATION, GIANT EARLY STRAIN

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 **DAZZLER**. Deep crimson.

1969 **RADIANCE**. Deep rose with rich crimson zone.

1968 **PINK**. Rose-pink.

1966 **SENSATION SPECIAL MIXED**.

1967 **PURITY**. White.

Each of the above, pkt., 25c; 3 pkts. for 65c

DOUBLE EARLY FLOWERING 3 FT.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 **PINK**.

1991 **WHITE**.

1992 **CRIMSON**.

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 **DOUBLE MIXED**. Pkt., 25c.

1982 **ORANGE RUFFLES, SEMI-DOUBLE**. Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

1980 **YELLOW FLARE**. 3 ft. Bright clear yellow. The single flowers are about 2½ in. across, produced in abundance. Delightful when used in flower arrangements. Give same cultural care as Fiesta. Pkt., 25c.

1984 **FIESTA**. 2½ ft. All America Silver Medal 1952. Flowers of bright gold striped with scarlet are borne on dwarf bushy plants. Blooms are similar in form to Yellow Flare, semi-double with ruffled petals, and are freely borne all summer, following an early start. A good border subject and attractive cut flower. Pkt., 25c.



1966 COSMOS Sensation Special Mixed. Pkt., 25c.



1984 COSMOS FIESTA. Pkt., 25c.



White "Spider-Plant"

Culture: D or E, Page 50

1804 **CLEOME HELEN CAMPBELL**. Large glistening pure white flowers on tall, vigorous, light green stems. A sport from Pink Queen, coming into bloom slightly earlier and with larger flowerheads. 4 ft. Pkt., 25c.

1803 **PINK QUEEN**. See Novelties. Pkt., 25c.



1696
CHRYSANTHEMUM
Vaughan's Rain-
bow Mixed.
Pkt., 15c.

Chrysanthemums

Annual Single Flowering 20 in.

Culture: A, D or E, Page 52

Of the easiest culture; flower profusely during late summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching. Seeds germinate in 8 days.

1696 **VAUGHAN'S RAINBOW MIXTURE**. This wonderful strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white all beautifully zoned. Pkt., 15c.

Korean Mums

Culture: A, B, D or E, Page 52

1621 **KOREAN HYBRIDS**. These large, single flowers of many lovely colors can be flowered from seed the first year. Seeds germinate in 15 days. Pkt., 35c.

Chinese Forget-Me-Not CYNOGLOSSUM

Culture: A, B, D or E, Page 52

On upright branching stems, terminal spikes of blue flowers are borne throughout the summer. One of the finest sources of blue masses in beds or borders. Seeds germinate in 8 days.

2015 **BLUE BIRD**. 18-24 in. Produces long sprays of sky-blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ¼ oz., 30c; pkt., 15c.

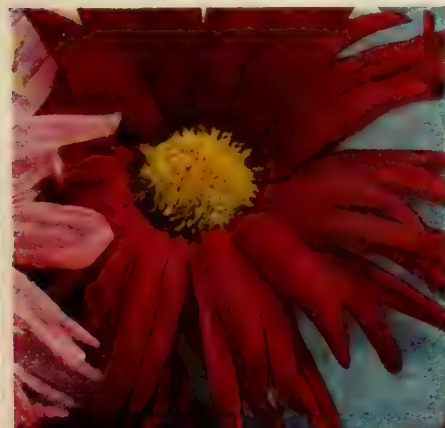
2020 **FIRMAMENT**. 12 in. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is recommended for dry, poor soil. Pkt., 15c.

2022 **WHITE CLOUD**. 12 in. The pure white counterpart of the popular Firmament. Pkt., 25c.

2024 **MIXED**. Blue and White. Pkt., 25c.



2015 CYNOGLOSSUM BLUE BIRD. Pkt., 15c.



1621 **KOREAN CHRYSANTHEMUM HYBRIDS**.
Pkt., 35c.



2086 DAHLIA UNWIN'S DWARF HYBRIDS. Pkt., 25c.

Grow Dahlias from Seed

Culture: D or E, A or B, Page 52

It is easy, fascinating, to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden. Seed germinates in 8-10 days.

DOUBLE DAHLIAS

2080 DOUBLE BEST MIXED. 3 ft. Saved from name and fancy sorts, including the Cactus Flowered varieties. Pkt., 25c.

2089 DOUBLE LILLIPUT POMPON MIXED. 3 ft. Small, round double flowers, in a mixture of beautiful colors, strong stems, good cut flower. Pkt., 25c.

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream, white and yellow. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. 1/8 oz., 60c; pkt., **25c**

DIDISCUS

2310 LACE VEIL. The paper-white counterpart of the old garden favorite, Blue Lace Flower early free flowering with long stems making it ideal for cutting. 2 1/2 ft. Pkt., 25c.



2476 GAILLARDIA Giant Double Sunshine Pkt., 25c.

Gaillardia

Culture: A, B, D or E, Page 52

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and give excellent border display. Seeds germinate in 20 days.

2476 VAUGHAN'S GIANT DOUBLE SUNSHINE. 18 in. A scintillating new color mixture. Huge fluffy "ball-like" double blooms, in a sprightly array of new colors. Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivid bicolor tipings of white, red, and yellow. The brightest Gaillardia mixture ever offered. Bushy plants with long stems make it a color bright-up wherever used. Continuous in its flowering throughout the summer. Pkt., 25c.

See also Perennial Pages.



California Poppy

Escholtzia Californica

Culture: A, B, D or E, Page 52

Plants of low spreading growth with finely cut silvery foliage bear gaily colored Poppy-like flowers with satiny petals. Do well in any well drained, loose soil and sunny position. Bloom early and continue until frost. Seed germinates in 8 days.

2415 VAUGHAN'S SPECIAL MIXTURE. Containing all the more important colors and color-combinations. 1/8 oz., 40c; pkt., 15c.



1855 COLEUS VAUGHAN'S RAINBOW MIXTURE



2320 GOLD DAISY, Pkt., 25c.

African Daisy

(*Dimorphotheca*)

Culture: A, B, D or E, Page 52

Showy annuals from South Africa, bearing gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure. Seeds germinate in 15 days.

2318 GLISTENING WHITE. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 GOLD DAISY. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 HYBRIDS. 1 ft. They vary in color from pure white to red and bluish including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 15c.

2112 DATURA ANGEL'S TRUMPET. See Novelties Pkt., 35c.

Coleus

Culture: D or E, Page 52

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 VAUGHAN'S RAINBOW MIXTURE. 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1-2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt., 50c.



Brilliant Annual Pinks Dianthus

Culture: A, or B, D or E, Page 52

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkable wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over winter in our (Chicago) latitude. Seeds germinate in 8 days.

2262 LACINIATUS DOUBLE GAIETY. 12 in. The fringing and twisting of the petals avoids any feeling of heaviness. Large flowers come in a variety of color, red, white, pink and maroon, on compact plants Pkt., 25c.

2230 HEDDENSIS FINEST MIXED. 16 in. Well-formed 2 in. flowers in large numbers on long stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional Dianthus colors. Pkt., 25c.

2257 CHINESE DOUBLE MIXED. 1 ft. Handsome clusters of very double flowers; many bright colors. Pkt., 15c.

2247 BRILLIANT MIXED. See Novelties. Pkt., 25c.



2262 DIANTHUS DOUBLE GAIETY. Pkt., 25c.

Geranium Seed

Culture: A, B or C, Page 52

2492 VAUGHAN'S SPECIAL MIXTURE. Large Flowering Single Varieties. Seed saved from name sorts. Many charming varieties may be expected, even some doubles. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt., 35c.



2861 HUNNEMANNIA SUNLITE. Pkt., 15c.

2301 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS. This magnificent mixture contains the cream of the annual pinks, both single and double. 1/4 oz., 50c; Pkt., 20c.

2300 DIANTHUS VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. Pkt., 15c.

Hunnemannia

Culture: A or B, D or E, Page 52

2861 SUNLITE. 1 1/2 ft. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. Seeds germinate in 10 days. Pkt., 15c.

IMPATIENS. See Page 51.

Helichrysum

(Strawflower)

Culture: A or B, D or E, Page 52

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem. Seeds germinate in 8 days.

2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS. 3 ft. This is a balanced blend of named varieties and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. 1/4 oz., 35c; pkt., 15c.



2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS. Pkt., 15c.

Everlastings

2440 MIXED. A formula blend of varieties which can be dried for bouquet work, including Statice, Gomphrena, Xeranthemum, Acrocinium, Salvia Blue Bedder and others. Pkt., 15c.

Blue Gilia

Culture: A, B, D or E, Page 52

Seed germinates in 20 days.

2532 CAPITATA ((Blue Thimble Flower)). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. Pkt., 15c.

Gypsophila

Culture: A, Page 52

Graceful plants of light fairy-like growth. The misty bloom adds interest to flower arrangements. Seed germinates in 10 days.

2681 ELEGANS GRANDIFLORA ALBA SPECIAL SELECTION. 18 in. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. 1/2 oz., 40c; 1/4 oz., 25c; pkt., 15c.

2682 ELEGANS VIVID ROSE. 18 in. Pkt., 15c.

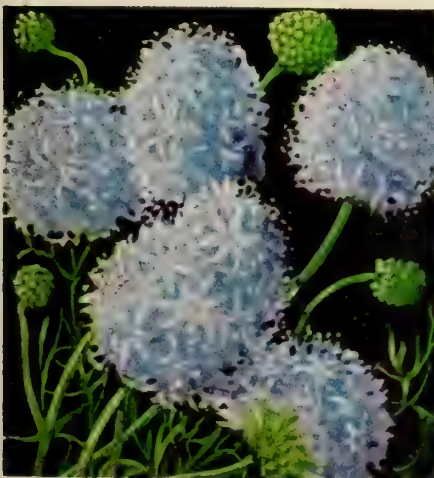
2683 — CRIMSON. Pkt., 15c.

2686 — MIXED. Pkt., 10c.

See also Perennial Pages



2681 GYPSOPHILA Elegans Grd. Alba. 15c.



2532 GILIA CAPITATA. Pkt., 15c.



Gourds

Culture: A, B, D or E, Page 52

Gourds make attractive decorations at autumn parties and harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls and toys are made of others. The vine is an excellent cover for arbors and trellises. Leaflet on culture sent free if asked for with order. Seeds germinate in 15 days.

GOULD VARIETIES ILLUSTRATED

- (1) 2607 Bottle Miniature (3) 2610 Dipper
(5) 2618 Hercules Club (6) 2645 Turk's Turban
(7) 2643 Spoon (8) 2646 Warted Sorts Mixed

Numbers 2 and 4 not available.

Each of the above, pkt., 15c;
2 pkts. for 25c.

OTHER GOULD VARIETIES

- 2609 CROWN OF THORNS. Pkt., 25c.
2651 LARGE FRUITED SORTS MIXED.
2650 SMALL FRUITED VARIETIES MIXED.

Each of the above, except as noted,
pkt., 15c; 2 pkts. for 25c

2660 VAUGHAN'S SPECIAL MIXTURE. All shapes and size of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. ½ oz., 65c; pkt., 15c.

ARRANGE WITH GOURDS FOR DECORATIVE EFFECT

1927 CORN (Calico Indian or Squaw). The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Matures in 100 days. Oz., 35c; pkt., 15c.



DECORATIVE AND GOOD TO EAT

1928 STRAWBERRY CORN. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Matures in 100 days. Pkt., 25c.



Flowering Kale

2458 FLOWERING KALE. 18 in. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Seeds germinate in 10 days Pkt., 25c.

Kochia-Burning Bush

Annual Hedge Plant

Culture: A or B, D or E, Page 52

2965 CHILDSII. 2½ ft. Pyramidal bushes of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge. Seeds germinate in 15 days. ½ oz., 30c; pkt., 15c.



2841 HOLLYHOCK INDIAN SUMMER MIXED.
Pkt., 25c.

Annual Hollyhocks

Culture: A or B, D or E, Page 52

These annual kinds bloom the first year and will live over winter and last for several years. Seeds germinate in 8 days.

2841 INDIAN SUMMER MIXED. 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of a wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until late into fall. Pkt., 25c.



Fragrant Heliotrope

Culture: A or B, D or E, Page 52

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom. Seeds sown in the spring make fine plants for bedding out. Seeds germinate in 15 days.

2820 MAMMOTH MIXED. 1 ft. Large flowers ranging from dark blue to lilac. Pkt., 20c

2690 HEARTS AND HONEY. See Novelties. Pkt., 25c.



2965 KOCHIA Childsii. Pkt., 15c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. They are perfectly hardy, the seedling plants surviving coldest winter weather. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator. Seeds germinate in 15 days.

VAUGHAN'S LARKSPUR

Culture: A or B, D or E, Page 52

6 Best Colors

From careful records, we have selected the **Six Best Colors** listed below, based on the demands of the Home Gardener. All are of the popular base branching type, which produces sturdy plants sending up from the base many flowering spikes, each a tall, strong, spire of beauty; the perfect cutting strain. The colors are new, distinct. Florets are fully double closely placed on the stem.

- 2121 REGAL PINK.** Brilliant pink on salmon, a new distinct shade.
- 2128 ROSE SUPREME.** Deeper rose than any other.
- 2127 LILAC SUPREME.** Clear, pale lilac, free from pink.
- 2130 WHITE SUPREME.** Pure white without suggestion of pink.
- 2132 PINK SUPREME.** Deep rose pink, lovely under lights.
- 2131 DARK BLUE SUPREME.** Deep violet purple.

Each of the above, pkt., 15c; any 4 pkts., 50c.

- 2133 SUPREME MIXED.** A blend of all the above with additional colors not yet introduced. ¼ oz., 75c; Large Pkt., 25c.

VAUGHAN'S LARKSPUR GARDEN

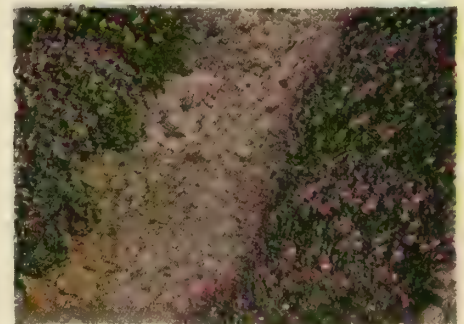
- 2140** 1 pkt. each **Six Colors Illustrated**, Rose, Lilac, Salmon Pink, White, Pink and Dark Blue. **FOR 75c**

- 2170 LARKSPUR, Vaughan's Special Annual Mixture.** Charming mixture containing all the bright and delicate colors of this flower. It makes wonderful cut flower material and should be planted generously. Seed should be sown in good rich well-manured soil, and in a full sunny position. The plants should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. **20c**
¼ oz., 50c; pkt.



VAUGHAN'S LARKSPUR GARDEN

Lovely Blue Lobelias



3049 LOBELIA Mrs. Clibran Improved 25c.

Four O'Clocks

Culture: A or B, D or E, Page 52

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. Four O'Clocks make an interesting low hedge very rapidly. One of the best for smoky city sections. Seeds germinate in 10 days.

- 3290 MIXED COLORS.** ¼ lb., \$1.50; 1 oz., 50c; pkt., 15c.
- 3300 MIRABILIS UNIFLORA.** Bright rose flowers of the most unusual "trumpet in trumpet" form. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c.

Linarias (Baby Snaps)

Culture: A or B, Page 52

Popularly called miniature snapdragons, these are charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches. Seeds germinate in 20 days.

- 3035 LINARIA NORTHERN LIGHTS.** Brilliant new colors characterize this new strain of the popular "Baby Snapdragon". Clear whites, bright yellows, vibrant blues and carmines are combined with a liberal sprinkling of reds and bronzes with yellow lip. Plants are bushy and erect; easily grown from seed and provide a quick show of color. 15 in. Pkt., 25c.

Matricaria

Culture: D or E, A or B, Page 52

- 3206 CAPENSIS IMPROVED. (Feverfew).** 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Seeds germinate in 12 days. Pkt., 35c.

Mesembryanthemum (Ice Plant)

- 2869 CRINIFLORUM (Livingstone Daisy).** Plants of slightly spreading, daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Seed germinates in 8 days. Pkt., 25c.

LANTANA

Culture: D or E, Page 52

A tender perennial grown as an annual in cold winter sections. May be grown in pots, or set out in Summer. Remain in bloom late in autumn.

- 2973 TALL MIXED.** 1 ft. Verbena-like flowers in shades of white, red and yellow. Fragrant. Pkt., 15c.



3290 FOUR O'CLOCK Mixed Pkt. 15c



3035 LINARIA NORTHERN LIGHTS, Pkt. 25c

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3065 SAPPHIRE.** Large, deep blue flowers with a pure white eye. Pkt., 15c.

Godetia (Satin Flower)

Culture: A, B, D or E, Page 52

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil. Seeds germinate in 15 days.

- 2595 DOUBLE VAUGHAN'S SPECIAL MIXTURE.** Double flowers closely set on spike, bright and attractive. Pkt., 15c.

Sun-Loving Marigolds

Culture: A or B, D or E, Page 52

MARIGOLDS come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. They bloom earlier when started under protection, but are easily grown from seed sown direct in the garden. Seeds germinate in 8-10 days.

LARGEST, DAHLIA FLOWERED

- 3136 FLUFFY RUFFLES.** Giant flowers of bright medium orange, with intensely ruffled florets. Very early to flower. Plants are semi-tall, 20 inches in height, with full length base-branching stems. Pkt., 25c.
- 3177 DWARF GIGANTEA POT O'GOLD.** 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals; gracefully overlapping. Blooms early. Pkt., 25c.
- 3144 EARLY SUNSET GIANTS.** See Novelties. Pkt., 25c.

CARNATION FLOWERED

- 3129 CALIFORNIA GOLD.** 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers 2½ in. across on good wiry stems. Pkt., 15c.
- 3115 MAN-IN-THE-MOON.** See Novelties. Pkt., 25c.
- 3131 REAL GOLD.** 2 ft. Large carnation-type flowers up to 4½ inches across are borne on compact bushes, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.
- 3124 YELLOW SUPREME.** A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 15c.

CHRYSANTHEMUM FLOWERED

- 3139 HAPPINESS.** The large chrysanthemum-like flowers, 3¼ in. across, are a cheerful golden-yellow. Plants are of uniform habit, growing 16 in. tall; early to flower and a profuse bloomer. An excellent companion to Golden Bedder. Pkt., 25c.
- 3151 MAMMOTH "MUM".** 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep. Pkt., 25c.
- 3127 LIMELIGHT.** 3 ft. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering. 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.
- 3140 VAUGHAN'S CHRYSANTHEMUM FLOWERED HYBRIDS.** 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.
- 3137 GLITTERS.** See Novelties. Pkt., 25c.

SINGLE FRENCH

- 3189 SUNNY.** 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded, and covered with blooms. Pkt., 25c.
- 3179 NAUGHTY MARIETTA.** See Novelties. Pkt., 25c.
- 3187 FLASH.** 18 in. All America Silver Medal. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1¼ in. across. Pkt., 25c.

DOUBLE DWARF FRENCH

A selection of new strains and varieties in the popular crested center type.

- 3164A BUTTERBALL.** 10 in. The name fits this pretty edging variety of canary yellow. It grows in a mound covered with 1½ inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.
- 3174 HARMONY.** Dwarf, compact, early, golden yellow bordered, maroon red. Pkt., 15c.
- 3167 RUSTY RED.** See Novelties. Pkt., 25c.
- 3163B YELLOW PYGMY.** 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.
- 3170 HARMONY HYBRIDS.** Wide and varied range striking color combinations. 1¾ inch flowers with crested center and flanking guard petals, early, 100% All Double. Pkt., 25c.
- 3160 PARISIAN HYBRIDS.** See Novelties. Pkt., 35c; ¼ oz., 75c.
- 3168 LEMONDROP.** See Novelties. Pkt., 25c.
- 3170A SPRY.** See Novelties. Pkt., 25c.
- 3169 TANGERINE.** See Novelties. Pkt., 25c.
- 3157 VAUGHAN'S SPECIAL MIXTURE.** Small Flowered Marigolds. See Novelties. Pkt., 25c.

A GARDEN OF MARIGOLDS

To provide a succession of bloom from earliest Summer until killing frost we have included in **OUR MARIGOLD GARDEN** Naughty Marietta and Color Magic, so rich in red and gold combinations, and one of the popular small single Mexican Group. For background and cutting, there is the Tall African Group of Burpee Gold, Chrysanthemum Flowered Mixed and Glitters, with their rich tones of gold, orange and yellow.

3200 1 pkt. each, 6 varieties, for \$1.00



3136 MARIGOLD Fluffy Ruffles. Pkt., 25c.



3198 MARIGOLD CUPID MIXED. Pkt., 25c

3196 CUPID. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Foliage without marigold odor. Marvelous for edging or border. The flowers are 2 to 2½ in. across. Very effective when combined with Celosia Toreador in bouquet arrangements. Pkt., 25c.

3194 CUPID GOLDEN. Rich golden color, very showy and free flowering, an attractive companion to the now popular Cupid Yellow and Cupid Orange with which it is identical in habit. An extra dwarf strain. Pkt., 25c.

3197 CUPID ORANGE. A true orange in the popular Cupid Class. Identical in type and habit to others in this group. The color is striking and makes a grand display. Pkt., 25c.

3198 CUPID MIXED. The double chrysanthemum-like flowers are in rich shades of orange, yellow and golden yellow which completely cover the plant. In size the flowers are equal to those of Marigold Cupid, 2 to 2½ in. across, and the dwarf compact plant but 6 in. tall. Odorless foliage. Pkt. 25c

3155 SUPER GIANT MIXED. All large flowered sorts. Pkt., 25c.

3195 SPECIAL MIXTURE OF ODORLESS FOLIAGE VARIETIES. All the odorless varieties in excellent blend. Pkt., 25c.

3154 VAUGHAN'S TREASURE CHEST. 2½ to 3 ft. Colors run from deepest orange through orange, yellow, buff to lightest primrose. Chrysanthemum Carnation and Peony-flowered, many 5 in. across. ½ oz., 50c; Pkt., 15c.

3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF DOUBLE AND SINGLE VARIETIES.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ½ oz., 50c; pkt., 10c.



3135 MARIGOLD COLOR MAGIC. Pkt., 25c.

Many-Colored Marigold

3135 MARIGOLD COLOR MAGIC. 8 in. Brilliant colors of non-fading red to pure gold with many varied striped and mottled combinations in red and gold. Full double flowers, 2¼ inches in diameter. Uniform in growth, plants are dwarf and compact. Pkt., 25c.

3150 VAUGHAN'S SPECIAL TALL MIXTURE. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ¼ oz., 50c; pkt., 15c

Giant Morning Glories



3245 MIGNONETTE Machet. Pkt., 15c.

Mignonette (Reseda)

Culture: A or B, Page 52

A well-known, old-fashioned flower highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart. Seeds germinate in 8 days.

3245 MACHET SELECT. 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. 1/4 oz., 35c; pkt., 15c.

3260 MIXED. Also many shades and types. Pkt., 10c.

EVENING SCENTED STOCK

Culture: A or B, Page 52

3212 MATTHIOLA BICORNIS. 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Seeds germinate in 10 days. Pkt., 15c.



3356 MYOSOTIS Blue Bird. Pkt., 25c.

Forget-Me-Nots (Myosotis)

Culture: A, B or C, Page 52

Will bloom the first year from seed so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. Seeds germinate in 15 days.

3321 ALPESTRIS BLUE EYES. 10 in. Bright blue with white eye, large, early. Pkt., 15c.

3353 ALPESTRIS ERECTA BLUE SPIRE. Flowers of a vivid blue, deeper yet brighter than indigo, are borne in clusters on strong 12 inch stems of column like habit. Pkt., 25c.

3356 VAUGHAN'S EARLY AND LATE FLOWERING BLUE BIRD. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

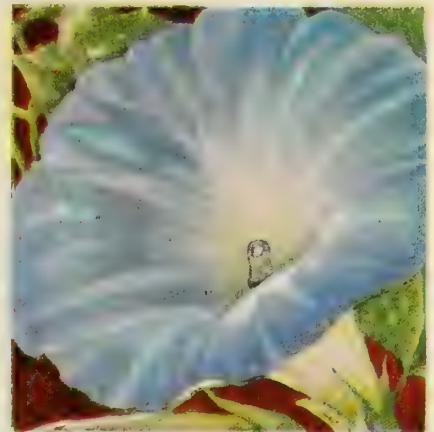
Nierembergia

Culture: D or E, Page 52

3412 PURPLE ROBE IMPROVED. The rich violet blue color is deeper than the original and the plants more dwarf and compact. Does not fade. Pkt., 35c.



2948 MORNING GLORY. Scarlett O'Hara. Pkt., 20c.



2941 MORNING GLORY. Heavenly Blue Clarke's Early Flowering. Pkt., 20c.



1922 BUSH MORNING GLORY. Royal Ensign. Pkt., 20c.

Special Culture on Packet

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun, porous soil, and do not overfeed, as this may limit flowers. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. Seeds germinate in 8-10 days.

2941 HEAVENLY BLUE CLARKE'S EARLY FLOWERING. A strain of Heavenly Blue selected for earliness. Flowers measure 3 1/2 to 4 inches across. 1/4 oz., 35c; pkt., 20c.

2945 CANDY PINK. See Novelties. Pkt., 25c.

2903 DARLING. Giant flowers, up to 4 inches in diameter, of a rich wine red with snowy-throat that provides enough contrast to make flowers stand out immediately. An easily cultivated annual climbing vine, of vigorous growth and very free flowering. Pkt., 25c.



2901 MORNING GLORY. Giant Cornell. Pkt., 20c.

2943 IMPROVED PEARLY GATES. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 SCARLETT O'HARA. Stunning 3 1/2-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. Pkt., 20c.

2940 RED, WHITE AND BLUE COLLECTION. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 65c), for 40c.

2935 RED, WHITE AND BLUE MIXTURE. A balanced mixture of the above. Pkt., 25c.

BUSH MORNING GLORY 1 FT.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun.

1921 PINK. Dwarf spreading plants which are very free flowering. Excellent for growing in window boxes, hanging baskets, low edgings and rockeries. The flowers resemble small morning glories but remain open all day in good weather. Sow seed in bright, sunny spot. Pkt., 25c.

1922 ROYAL ENSIGN. A deep bright ultra-marine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. 8 in. Pkt., 20c.

1920 MIXED. all colors. Pkt., 10c.

CONVOLVULUS (Morning Glory)

1900 TALL MIXED. all colors. Pkt., 10c.

Moonflowers

These are vines that bloom at sunset, fading in late morning. Very fragrant. Seeds germinate in 10-12 days.

2895 BONA NOX (Evening Glory). Violet. 15c.

2905 MEXICANA GRANDIFLORA ALBA (White Moonflower). Opens 4-5 inch white flowers every evening and cloudy day. Pkt., 10c.

2910 GIANT PINK. Soft lilac-pink flowers. Pkt., 10c.



3739 VAUGHAN'S DOUBLE TALL GLORIOUS GLEAM HYBRIDS.

Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. Pkt., 15c.

Fragrant Nasturtiums

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles. Seeds germinate in 8-10 days. Sow after frost danger is over.

APHIS ON NASTURTIUMS. One of our friends writes in "Horticulture": "I am not troubled with aphids if I sprinkle moth balls (naphthalene) quite close to the stems of the plants." Rotenone and Black Leaf 40, are also effective.

Tall, Double Fragrant Varieties

3735 GOLDEN GLEAM. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Pkt., 15c.

3732 INDIAN CHIEF. Dark foliage and vivid scarlet flowers. Pkt., 15c.

3734 MAHOGANY. Large double flowers of dark mahogany-red. Pkt., 15c.

3736 SCARLET GLEAM. The flowers are a fiery orange-scarlet. Pkt., 15c.

3745 VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. Pkt., 15c.

Dwarf, Double Fragrant Varieties

3548 CHERRY ROSE. An excellent variety for cutting, and showy in the border. Flowers $2\frac{1}{2}$ to 3 inches across of a soft cherry-rose are produced earlier than others. Very free flowering. Oz., 50c; pkt., 15c.

3557 GARNET GEM. Deep, rich, garnet-red. The delightfully scented flowers have enough orange suffusion to enliven them with an iridescent glow that is most pleasing. Pkt., 15c.

3558 GOLDEN GLOBE. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Pkt., 15c.

3560 DWARF DOUBLE GEM MIXED. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. Pkt., 15c.

3570 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS. This mixture is put up by ourselves from named single and double varieties which have the richest and most varied colors. Pkt., 15c.

Old-fashioned, Free Flowering Single

3575 SINGLE DWARF NASTURTIUMS MIXED. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. Pkt., 15c.

Home Greenhouse
and House Plants
From Seed, See
Pages 50 and 51.

Shirley Poppies

Culture: A, Page 52

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower quickly from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart. Seeds germinate in 20 days. They have beautiful satiny flowers, all with white centers. Foliage is hairy and finely cut.

4277 AMERICAN LEGION. 2 ft. A dazzling orange-scarlet of enormous size. Pkt., 10c.

4238 DOUBLE BEGONIA FLOWERED SWEET BRIAR. A delightful shade of deep rose-pink. Pkt., 15c.

4239 DOUBLE BEGONIA FLOWERED MIXED. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light colors. Pkt. 10c.

4370 VAUGHAN'S SPECIAL MIXTURE. 2 ft. Lovely and dainty tints, many edged and blended with other colors. $\frac{1}{4}$ oz., 40c; pkt., 15c.

4251 PIERROT. Brilliant scarlet-red flowers on 20 in. stems, with striking black blotches at the base. Extremely free flowering, and the rich color is emphasized by the light grayish-green foliage. Blooms within eight weeks from sowing. Pkt., 25c.

Nicotiana

FRAGRANT TOBACCO PLANT

Culture: A or B, D or E, Page 52

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume. Seeds germinate in 20 days.

3403 DAYLIGHT. 1-2 ft. The white blooms remain fully open during even the most brilliant sunshine. Plants are of compact, bushy habit, with an abundance of pure white fragrant flowers. Pkt., 35c.

3390 AFFINIS. 2 ft. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 15c.



3403 NICOTIANA Daylight. Pkt., 35c.

NICOTIANA—Continued.

3392 AFFINIS HYBRIDS. 2 ft. Splendid hybrids in blue, red and rose shades. Pkt. 10c.

3393 AFFINIS CRIMSON BEDDER. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3404 ORANGE BLOSSOM (Miniature White). 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis Hybrids. Pkt., 25c.

3402 DAYLIGHT SENSATION MIXED. $1\frac{1}{2}$ -2 ft. This new strain provides a brilliant color range lacking heretofore. Bright scarlet, crimson rose, mahogany, violet, yellow, coral, lilac and white, are included. The blooms remain open day and night, unlike the standard nicotiana, which closes in sunlight. Pkt., 25c.



4370 POPPY Shirley Vaughan's Special Mixture. Pkt., 15c.

Annual Sunflowers

Seeds germinate in 15 days.
Culture: A or B, D or E, Page 52

2700 GAILLARDIA-FLOWERED OR RED SUNFLOWER. 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 10c.

2713 SUN GOLD. 4 ft. Fully double flowers burst into bloom on the same day. 70 days after sowing. Pkt., 15c.

2725 RUSSIAN MAMMOTH. 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. $\frac{1}{4}$ lb., 35c; 1 oz., 15c.

2760 VAUGHAN'S SPECIAL MIXTURE. Includes all the single and double Sunflowers above and others. $\frac{1}{2}$ oz., 25c; pkt., 10c.

Giant Pansies

Culture: A, B or C, Page 52

PANSIES have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced in this country the lovely Canadian Maple Leaf strain. Leaflet on pansy culture will be supplied if requested on order. Seeds germinate in 10 days.

3903 VAUGHAN'S DWARF SUPER SWISS MIXED. For those who desire plants dwarfer than the original type, we have had our grower make this selection. The colors are the same but the plants lower and more compact. Pkt., 35c.

3910 COLOR CARNIVAL. See Novelties. Pkt., 35c.

3826 FELIX. Large flowers in many interesting color combinations, all with vividly contrasting black-veined throats. Pkt., 50c.

3840 TRIMARDEAU MIXTURE. It has a complete color range, of older varieties. Pkt., 15c.

3881 ENGELMANN'S GIANT. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 25c.

GIANT SWISS VARIETIES

3892 ALPENGLOW. Rich wine-red shades. Pkt., 35c

3891 BLUE (Ullswater) (Thuner See). Deep blue flower with blue-black blotches. Pkt., 35c.

3820 CORONATION GOLD. The largest pure gold self. Pkt., 35c.



3892 PANSY SWISS ALPENGLÖW Pkt., 35c.

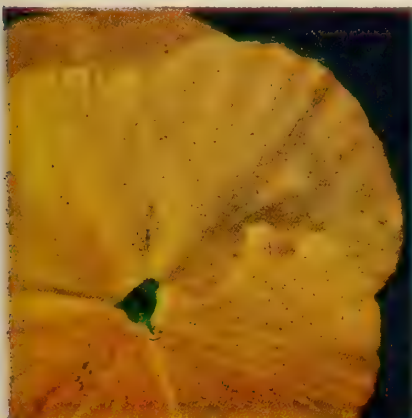
3897 DELFT BLUE. A delightful tone of translucent blue. Pkt., 35c.

3862 FIRE BEACON. Bright orange-red. Pkt., 35c.

3900 PURE WHITE. Pkt., 35c.

3893 YELLOW (RHEINGOLD). Rich yellow with blotches on the three lower petals. Pkt., 35c.

3901 SWISS RASPBERRY ROSE. See novelties. Pkt., 35c.



3820 PANSY CORONATION. GOLD, Pkt., 35c.



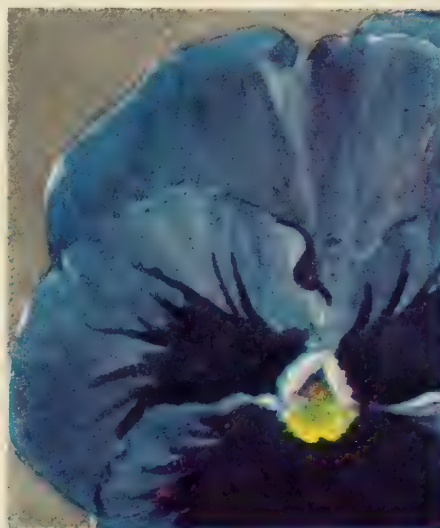
3894 PANSIES Vaughan's Super Swiss Giant Mixed. Pkt., 35c.

3894 VAUGHAN'S SUPER SWISS GIANT MIXTURE. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{16}$ oz., \$1.75; $\frac{1}{8}$ oz., \$3.00, pkt. **35c**

SPECIAL MIXTURES

3794 VAUGHAN'S SUPER MAPLE LEAF GIANT MIXTURE (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors, $\frac{1}{16}$ oz., \$1.75; $\frac{1}{8}$ oz., \$3.00. Pkt. 50c.

3875 VAUGHAN'S GIANT MIXTURE. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{8}$ oz., \$1.75; pkt., 25c.



3891 PANSY Swiss Blue (Ullswater). Pkt., 35c.



Ricinus (Castor Bean)

Culture: A or B, D or E, Page 52

Giant, strong growing plants, with ornamental foliage. These plants are reputed to drive away moles from a garden. Seeds germinate in 15 days.

4546 CRIMSON SPIRE. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant crimson. Most showy. $\frac{1}{2}$ oz., 30c; pkt. 10c.

4570 MIXED. Many sorts. $\frac{1}{2}$ oz., 30c; pkt., 10c.

4560 ZANZIBAR MIXED. 10 to 12 ft. The ornamental leaves, beautifully lobed, are $2\frac{1}{2}$ to 4 ft. across. Each plant a perfect pyramid. $\frac{1}{2}$ oz., 30c; pkt., 15c.

Statice

(For Winter Bouquets)

Culture: D or E, Page 52

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets. Seeds germinate in 30 days.

4806 SINUATA NEW HYBRIDS. 30 in. Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.



4066 DWARF CALIFORNIA GIANTS MASTER BLEND. We recommend this as the finest strain of Giant Flowered varieties, coming into bloom when plants are small in a wide range of color, all with veined throats. Ruffled flowers, 5 inches and more across, borne on compact bushy plants 12 inches in height. Pkt., 35c.



ILLUSTRATED ABOVE
4076 FLUFFY RUFFLES MIXED. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt., 35c.



4080 PETUNIA Tango. 50c.

Large Flowering Petunias

The flowers of this type average 3 to 4 inches across.

SINGLE FRINGED.

- 4061 BALLERNA** (F-1 Hybrid). See Novelties. Pkt., 50c.
- 4049 DAINTY LADY.** A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. To protect this coloring, plant in light shade, as bright sunlight fades it. Pkt., 35c.
- 4050 FLAME.** See Novelties. Pkt., 50c.
- 4084 IRENE.** Glowing cherry scarlet, with yellow center, richly veined. Flowers four and a half to five inches in diameter. This is the brightest red of all large fringed varieties. Pkt., 35c.
- 4057 LA PALOMA** (F-1 Hybrid). Large well fringed flowers of pure white with attractive yellow throat. A uniform vigorous grower, extremely free blooming. Pkt., 50c.
- 4054 PRIMA DONNA** (F-1 Hybrid). See Novelties. Pkt., 50c.
- 4097 RUFFLED LITTLE GIANTS PINK FRILLS.** (PINK SHADES). See Novelties. Pkt., 50c.
- 4048 FRINGED SNOWSTORM.** 20 in. Flowers white with yellow throat. 3-inch diameter and deeply fringed. Pkt., 35c.
- 4080 TANGO** (F-1 Hybrid). Deep salmon outside of bloom, shading to scarlet salmon nearer throat. Fringed flowers, 3½ to 4 inches across. A truly dwarf plant but due to hybrid vigor are strong growing and extremely free blooming. 12 to 15 in. high, with a spread of 2 ft. Very brilliant. Pkt., 50c.

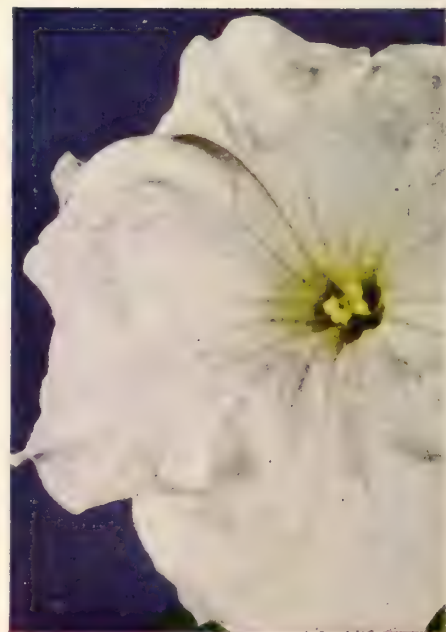
- 4062 THEODOSIA.** 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.
- 4051 RUFFLED LITTLE GIANTS MIXED.** 8-10 in. A brilliant mixture of large fringed and ruffled flowers which cover the dwarf erect plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for borders. Pkt., 35c.

SINGLE PLAIN EDGE 12-16 IN.

- 4099 DWARF PINK GLORY.** A very large well formed flower of exquisite luminous pink with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.
- 4058 ELK'S PRIDE, RE-SELECTED.** Velvety black-purple, one of best dark blues. Pkt., 25c.
- 4063 PURPLE PRINCE.** Deep velvety blue-purple flowers, large and waved, freely borne on compact plants. Our Trail Ground planting caused much comment because of its rich velvety color and freedom of bloom. Pkt., 35c.
- 4055 SNOW STORM.** Glistening white, faintly yellow in the throat. Huge 4 to 5 in. flowers. Pkt., 35c.
- 4067 WHITE CLOUD.** Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

WINDOW BOX MIXTURE

- 5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE.** A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.



4055 PETUNIA Snow Storm. Pkt., 35c.

Small Flowering Single Petunias

Culture: D or E, Page 50

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order. Seeds are very tiny and germinate in 20 days.

A GARDEN OF PETUNIAS

To brighten up an otherwise dull corner in the garden, we suggest a planting of Single Small Flowered Dwarf (nana compact) Petunias. Coming into flower early, they will provide color until cut down by the late frosts of Autumn. Includes such popular varieties as Celestial Rose, Violet Queen, King Henry, Glow and Snowball Improved, all are of the type illustrated in our color picture of the Special Mixture.

3985 1 pkt. each 5 Varieties. . . . **FOR \$1.00**

SINGLE DWARF SMALL FLOWERING PETUNIAS 12 TO 15 IN.

3996 ADMIRAL. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other blue Petunias. Pkt., 50c.

4013 APACHE (F-1 Hybrid). See Novelties. Pkt., 50c.

4017 CELESTIAL ROSE. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose with white throat. Pkt., 25c.

4014 COMANCHE (F-1 Hybrid). See Novelties. Pkt., 50c.



3997 PETUNIA Fire Chief. Pkt., 25c.

3997 FIRE CHIEF. Winner of Gold Medal in All America trials. 1950. A dwarf, compact plant, single flowers of intense pure red, which develops its greatest brilliance in cool, sunny location. Pkt., 25c.

4001 HEAVENLY BLUE RE-SELECTED. A silvery light blue. Varies about 10% in tone. Pkt., 25c.

4007 GLOW. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.

4005 IMPROVED ROSY MORN. An improved strain of the popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering. ½ oz., 35c; pkt., 15c.

4022 KING HENRY. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

4010 LINDA (IMPROVED SILVER MEDAL.) (F-1 Hybrid). 15 in. This new version has a more intense salmon pink coloring, in its 3-inch flowers. All the magic vigor of the F-1 Hybrids is retained. The flowers are produced in amazing abundance throughout the summer. Pkt., 50c.

4019 LIPSTICK. Medium-sized single flowers of a rich carmine rose with just a suggestion of salmon. Will not fade in the sun. Pkt., 35c.

4016 PALEFACE (F-1 Hybrid). See Novelties. Pkt., 50c.

4023 PINK SENSATION (F-1 Hybrid). 24 in. tall, bushy plants, flowers in great profusion. Blossoms light rose-pink. The plants are held erect by strong stems without sprawling. Pkt., 50c.

4018 ROSE OF HEAVEN. Select. Deep rose-pink, darker than Rosy Morn, with inconspicuous white throat. Unfading in hot sun. ½ oz., 40c; pkt., 25c.



3996 PETUNIA ADMIRAL. Pkt., 50c

4020 SNOWBALL IMPROVED. Finest white in the Dwarf Small Flowered class. The good sized flowers are borne in great profusion on plants of compact habit. Despite extreme heat, Snowball Improved was in continuous bloom at our Trial Grounds from early July to killing frost. Pkt., 25c.

4031 SIOUX (F-1 Hybrid). See Novelties. Pkt., 50c.

4030 STARRED MIXTURE. A formula-blend of such garden favorites as Twinkles, Howard's Star Improved and many others bought especially for this mixture. All bright starred, free flowering sorts which will provide an interesting border in the summer garden. Pkt., 25c.

4032 WAR PAINT (F-1 Hybrid). Illustrated in Color on Our Front Cover. See Novelties. Pkt., 50c.

3975 HOWARD'S STAR IMPROVED. Red-purple with white star. Shown in the color illustration of our Special Mixture. Pkt., 15c.

BALCONY TYPE 18—24 IN.

Single large flowering of trailing habit especially suited to window boxes. Colors are distinctively lovely.

4042 BALONY MIXED. A well-balanced color range. Pkt., 25c; ½ oz., 40c.



4025 VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES

includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors ¼ oz., \$1.25; ½ oz., 75c; pkt., 25c.



3939 PETUNIA All Double Sonata Pkt., 75c

ALL DOUBLE PAN AMERICAN STRAIN (Large Flowering)

The large fully double flowers with fringed petals are freely produced on plants that are vigorous growing yet retain their compact habit. Base branching. Showy in the garden border, useful in all flower arrangements.

3936 ALLEGRO IMPROVED. 18 in. Deep salmon pink.

3937 CAPRICE IMPROVED. 15 in. Bright rose.

3931 MINUET. 18 in. Orchid-lavender, some variegated.

3938 NOCTURNE. 15 in. Dark blue-purple.

3934 RHAPSODY. 12 in. Deep Burgundy-wine purple.

3939 SONATA. 18 in. Pure white.

3940 GLORIOUS MIXED. A complete color range. Each of above, pkt., 75c.

ALL DOUBLE DWARF SMALL FLOWERING

3932 AMERICA IMPROVED. 1 ft. First All-double produced in America. Flowers of cornation form and size, 100% double, compact plants. Flowers average 2¼ inches. Pkt., (100 seeds), 50c; 1,000 seeds, \$3.50.

3935 ALL DOUBLE ROSE MARIE. 18 in. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds) \$1.00.

3949 ALL DOUBLE COLOSSAL SHADES OF ROSE. See Novelties. Pkt., \$1.00.



4020 PETUNIA Snowball Improved. Pkt., 25c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 52



4220 PHLOX Vaughan's Special Mixture. Pkt., 25c.

4220 PHLOX DRUMMONDI Vaughan's Special Annual Mixture. Contains all the Grandiflora varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., \$1.50; ½ oz., 80c., pkt. **25c**



Culture: A, D or E, Page 52

DOUBLE PURPOSE RUNNER BEANS

4766 SCARLET EMPEROR. Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt., 15c

Annuals for Shady Locations

Anchusa	Coleus	Nemophila
Antirrhinum	Cynoglossum	Pansy
Begonia	Impatiens	Petunia, Small
Bellis Perennis	Linaria	Fld.
Canary Bird	Myosotis	Schizanthus
Vine	Nasturtium	Stocks
Centaurea	Nicotiana	Torenia
Clarkia		Violas

4746 ANNUALS FOR SHADE MIXED. Pkt., 25c.

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch. Seeds germinate in 20 days.

Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors.

- 4166 BLUE BEAUTY**
- 4169 PINK BEAUTY**
- 4170 SALMON BEAUTY**
- 4171 SCARLET BEAUTY**
- 4173 WHITE BEAUTY**

Each of the above, pkt., 25c.

4174 BEAUTY MIXED. a formula blend. Pkt., 25c.

4175 CUSPIDATA OR STAR MIXED. Quaint and unusual flower formation. Pkt., 25c.

4207 GLOBE MIXED. 6 to 8 in. The completely full plants are globe or dome shaped. Base branching, they retain the fine uniform habit of a solid mound of bloom throughout the season. A well balanced range of color. Very showy. Pkt., 25c.

Giant Phlox

4103 GIGANTEA ART SHADES. A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.



4426 PORTULACA Jewel. Pkt., 25c.



4455 PORTULACA Double Best Mixed. 20c

Portulaca

Culture: A, D, Page 52

MOSS ROSE FOR HOT, DRY PLACES

Portulaca makes a brilliant carpet for a sunny, dry spot. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow when ground is warmed. Seeds germinate in 20 days.

LARGE FLOWERING SINGLE

4426 SINGLE JEWEL. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. It is as free flowering as smaller varieties. Pkt., 25c.

4430 SINGLE MIXED. ¼ oz., \$1.10; ½ oz., 60c pkt., 15c.

LARGE FLOWERING DOUBLE

4455 DOUBLE BEST MIXTURE. Improved strain which comes 100% double, with larger flowers, and an exceptional range of color, including new tones of red, orange, lavender and yellow. ¼ oz., \$1.35; ½ oz., 75c; pkt., 20c.

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE. A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.



4430 PORTULACA Single Mixed. Pkt., 15c.

Colorful Stocks

Culture: A or B, D or E, Page 52

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop.

BISMARCK OR GIANT IMPERIAL

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft.

4949 BISMARCK MIXED. Pkt., 15c.

DWARF LARGE-FLOWERING DOUBLE TEN WEEKS STOCK 12 IN.

4865 BEST MIXED. Pkt., 15c.

STOCKS COLUMN NON-BRANCHING. See page 51.

Gold-veined Salpiglossis

Culture: A or B, Page 52

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches. Seeds germinate in 8 days.

4630 VAUGHAN'S SPECIAL MIXTURE. Our mixture is formula-made and includes many self-colored as well as brightly veined flowers. An easy-to-grow annual that will provide a bright spot in the garden as well as interesting cutflowers throughout the Summer. $\frac{1}{8}$ oz., 40c; Pkt., 15c.

4620 DWARF GIANT FLOWERED MIXED. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt. 15c.



5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy, 20"

Culture: A or B, D or E, Page 52

5635 A beautiful lavender-blue Daisy with fern-like foliage, on good long stems. Flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.



4640 SALVIA SPLENDENS America, Pkt., 25c.

Salvias

Culture: D or E, A or B, Page 52

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders. Seeds germinate in 15-20 days.

SPENDENS

4640 AMERICA, OR GLOBE OF FIRE. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4642 BRIGHTNESS. 24 in. This improvement on the old Splendens Type comes into flower with Bonfire. Pkt., 25c.

4653 CLARA BEDMAN OR BONFIRE. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. Pkt., 25c.

4656 ROSE FLAME. Rich coral pink which blends well with other flower colors and overcomes the objection of many to the vivid scarlet sage tones. More brilliant and desirable than any other pink that has been introduced to date. Pkt., 25c.

4669 ST. JOHN'S FIRE. See Novelties. Pkt., 35c.

4667 VAUGHAN'S MASTERPIECE. 18 in. A dwarf early flowering variety. Massive scarlet spikes; even compact habit. Pkt., 25c.

OTHER SALVIAS

Culture: A or B, D or E, Page 52

4683 FARINACEA BLUE BEDDER. 2½-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 25c.

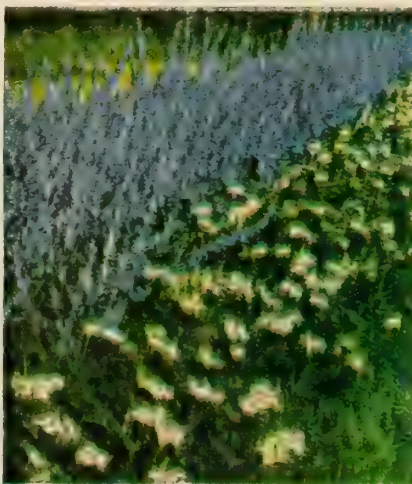
See also Perennial Pages.



Torenia (Wishbone Flower)

Culture: D or E, A or B, Page 52

5643 FOURNIER. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes a damp soil. 1 ft. Seeds germinate in 15 days. Pkt., 15c.



4683 SALVIA Farinacea Blue Bedder, Pkt., 25c

Sensitive Plant

Culture: D or E, A or B, Page 52

3270 MIMOSA. 1 ft. A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Seeds germinate in 10 days. Pkt., 15c.

Sky Blue Star Flower

4825 THE SOUTHERN STAR (OXYPETALUM COERULEUM.) Star-shaped flowers measuring 1 in. across, are borne in long loose sprays. The stems arch so that the lovely blue blossoms, veined or penciled with silver, face upward. A valuable addition to the all too short list of blue annuals. Sown in early April, it flowers in June and continues blooming until cut down by frost. Pkt., 25c.



Alpine Strawberry

4828 BARON SOLEMACHER. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

For something different in your bouquet of Everlastings, use Bell of Ireland. This unusual bit of green makes an excellent filler and will create quite some interest.

Vaughan's Seed Company 37



Sweet Peas that Flower in Hot Weather

CUTHBERTSON SWEET PEAS. The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this splendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor. Their colors are bright and clear, stems long, flowers large and deliciously fragrant.

5265 MIXED. A brilliant well-balanced blend. Pkt. 20c; ½ oz., 65c; oz., \$1.00.

COLLECTION NO. 5250. One packet each Sweet Peas Cuthbertson. Includes medium blue, white, scarlet, salmon-cream pink, rose pink, rosy crimson, deep salmon, clear pink and deep orange. \$1.00.

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 15c.

COLLECTION NO. 5600. One Packet Each; Sweet Peas, Early Flowering Spencer, **Fragrant Varieties** Amethyst, Apollo, Blue Bird, Fragrance, Gardenia, Giant Rose, Harmony, Laddie Improved, Mrs. Herbert Hoover and White Harmony. 75c.

SPENCER SWEET PEAS

5622 RUFFLED MIXED. An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Pkt., 15c.

5595 VAUGHAN'S SPECIAL MIXTURE, EARLY FLOWERING SPENCERS. A Formula blend made from named sorts, including the most fragrant varieties. This strain is recommended for all sections where Spring is late as they flower before the summer heat arrives. Oz., 70c; pkt., 15c.

Sweet Peas Multiflora (Zvolanek)

An interesting new development in Sweet Peas, coming into flower between the Cuthbertson (Heat Resistant) and Early Spencer groups. Five and six flowers will appear on a stem, all of good size and in bloom at one time. Very free flowering.

5307 MIXED. A formula blend from named sorts in a complete range of color. Pkt., 25c.

COLLECTION NO. 5310. Sweet Pea Zvolanek's Multiflora. A complete range of color that includes Deep American Beauty Rose, Lavender, Orange Cerise, Orchid, Rose Pink, Salmon Pink and White. \$1.00



5644 TITHONIA TORCH. Pkt., 15c.



5265 CUTHBERTSON Sweet Peas, Mixture. Pkt., 20c.



Vinca Rosea (Periwinkle)

Culture: D or E, Page 50

Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after frost is over. Although most satisfactory in shade, it does equally well in hot sun. 1 ft. Seeds germinate in 10 days.

5775 MIXED. Pkt., 15c; **5770 WHITE.** Pkt., 15c

Tithonia

5644 TORCH. All America Silver Medal 1951. A dwarf form of this Mexican plant with brilliant orange-scarlet flowers, which in its native form often grows 12 feet tall. Torch grows 3 to 4 feet tall and bears flowers of the same brilliance as the taller variety Fireball, but is much earlier to bloom. A tender annual, it stands the summer heat and seems free from all diseases. Of compact upright bushy form, with luxuriant foliage and strong straight stems for cutting, as well as for brilliant garden display. Pkt., 15c.

Mixtures of Annuals containing many different species, such as our Surprise Garden Mixture and Annuals for Cutflower Mixture, should be sown in two lots. Some species grow best under cool conditions, while others do best in warmer soil.

We recommend sowing the first lot as soon as the ground can be worked in Spring. The second should be sown when late Tulips are in flower, or when peony buds are showing color. This double sowing will give a much wider range of Annuals from a single packet.

New Scabiosa Type

Super Crown Imperial Giant (4 ft.)

Culture: A or B, D or E, Page 52

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and among the most important cut flowers. Blooms on long, slender stems, which are exceedingly graceful. Seeds germinate in 20 days.

This new Scabiosa eliminates entirely the "pin cushion" center of the older type and displays to advantage the full beauty of the broad waxy petals. The ball-shaped fully double flower is borne erect on tall stems, making it an excellent cutflower.



4731 SCABIOSA BLUE MOON. Pkt., 15c.

4731 BLUE MOON. Sky-blue tinged with lavender. Pkt., 15c.

4732 BRIDESMAID. In varying tones of salmon pink. Pkt., 25c.

4717 CORAL PINK. Medium to deep salmon, clear and brilliant. Pkt., 25c.

4733 LAVENDER MOON. Silvery lavender. Pkt., 25c.

4735 SUPER CROWN IMPERIAL GIANT MIXED. A complete range of color which includes white, salmon, coral, rose and red, also the various tones in blue. Pkt., 25c.

Bright Hued Verbenas

Culture D or E, A or B, Page 52



5738 VERBENA Sparkle Pkt., 35c.

These colorful annuals originated as desert plants, and thrive in the sun, flowering continuously. They make gay garden beds, and bouquets. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grow only 6 to 12 inches tall but spread to 2 feet across. Seeds germinate in 8 days.

HYBRIDA GIGANTEA 1 FT.

A magnificent strain of robust habit, the individual florets measuring an inch in diameter.

5701 GIGANTEA ALBA. Pure white. Very fragrant.

5718 —LAVENDER GLORY. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5721 —SALMON KING. A pleasing shade of clear deep salmon. Florets larger by comparison with any other variety of Verbena. The plant habit is of tight compact growth, eliminating the open centers. Pkt., 25c.

5710 —SPECTRUM RED. Intense bright red.

5720 —VIVID. The most brilliant sunproof scarlet; brighter and more intense in color than Spectrum Red. Large uniform trusses, and proportionately large florets. The numerous trusses growing close together form a solid carpet about 8 in. tall. The tight compact growth eliminating the open centers. Pkt., 25c.

Each of the above, except as noted, pkt., 15c; any three pkts. for 35c.

5726 BUSH TYPE MIXED. Plants of uniform bushy habit about 8 to 10 inches high, with flower heads practically touching each other. A ribbon of color for the border. Includes vivid red, salmon pink, attractive mid-blue with white eye and clearest white. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture.

Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders through the summer. 1/8 oz., 65c; pkt., 15c.

DWARF VERBENAS

5738 SPARKLE. A bright scarlet red greatly intensified by a gleaming white eye. Large size blooms so tightly arranged they give the effect of a solid mass of color. The plants are of uniform and compact growth and the bloom is freely produced throughout the entire season. 7 in. Pkt., 35c.

5741 CRYSTAL. A glistening snow white color with the same fine dwarf compact habit as Sparkle. Florets are large and produced in large clusters of 12 to 15 per plant. A trim plant growing about 9 inches tall with a spread of 12 inches, fine compact habit which is retained throughout the blooming season. Pkt., 35c.

5749 DWARF MASTER BLEND. Plants are very compact and dwarf. Flowers appear when plants are quite small and retain their color and habit throughout the entire season. Bright colors in a wide range, many with eyes. Pkt., 35c.



5749 VERBENA. Dwarf Master Blend. Pkt., 35c.



5805 VIOLA CORNUTA. Yellow Gem. Pkt., 20c. 5790 BLUE PERFECTION. Pkt., 20c.

5804 CHANTREYLAND. Pkt., 25c. 5806 WHITE PERFECTION. Pkt., 20c.

5814 COLLECTION. 1 Pkt. each of 4 above Violas, 60c.

Hardy Violas

Culture: A or B, Page 52

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer. Seeds germinate in 10 days.

CORNUTA TYPE—10 IN.

5796 JERSEY GEM. Flowers of rich pure violet, large, fragrant, flowering all summer. Pkt., 25c.

5802A KING HENRY (Purple King). A deep purple violet with yellow eye. Pkt., 25c.

CORNUTA HYBRIDA (LARGE FLOWERS)

5787 ARKWRIGHT RUBY. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

5790A CHINESE BLUE. A round-faced type such as Jersey Gem with flowers of pure sky-blue. Pkt., 25c.

MISCELLANEOUS VIOLAS

5797 JOHNNY-JUMP-UP OR VIOLA TRI-COLOR. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than others and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name. Pkt., 25c.

5811A NIGRA OR BLACK IMP. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c.

Decorative Zinnias



6050 ZINNIA Lilliput Tom Thumb Mixed. Pkt., 15c.

Tom Thumb Zinnias

6050 ZINNIA LILLIPUT TOM THUMB MIXTURE. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. Pkt., 15c.

Midget Zinnias

Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6025 CUPID MIXED. Pkt., 15c.

Scabiosa Flowered

6159 MIXED. 2½ ft. On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Only a certain percent will be true to name. Pkt., 15c; 3 pkts., 40c.

ILLUSTRATED IN OUR NOVELTIES

6110 RED RIDING HOOD. ¼ oz., 75c; ⅛ oz., 40c; pkt., 15c.

6180 PEPPERMINT STICK MIXED. Pkt., 25c.

5880 BLAZE. pkt., 35c.

6039 ESKIMO. Pkt., 25c.

5857 FLORADALE SCARLET. Pkt., 25c.

6038 RIVERSIDE BEAUTY. Pkt., 25c.

6040 SUNNY BOY. Pkt., 25c.

6035 CACTUS FLOWERED HYBRIDS (Burpee Hybrids) Pkt., 25c.



Culture A or B, D or E.
Page 52

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers. Seeds germinate in 5-7 days.

Cut-and-Come Again

PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

6080 SNOW BALL.

6100 WATERMELON

PINK. A very pleasing and charming shade of salmon-rose.

6097 PINKIE. Rose-pink.

Each of the above, pkt., 15c; 2 pkts., for 25c

6105 PUMILA VAUGHAN'S SPECIAL MIXED. ¼ oz., 50c. Pkt., 15c.

6099 SUNSHINE TINTS. New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.



5910 ZINNIA FANTASY MELODY. Pkt., 25c.

Annuals for Cutting

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. For a continued succession of bloom, make two sowings, the first in early spring just as soon as the soil can be worked and a second when late tulips are in flower and peony buds showing color. 1 oz., 50c; ½ oz., 30c; pkt., 15c.

Smallest Zinnia

6127 LINEARIS. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.



6075 ZINNIA Lilliput, Vaughan's Special Mixed. Pkt., 15c.

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 BLACK RUBY. Rich deep maroon.

6052 BRIGHT PINK.

6073 CANARY YELLOW.

6068 ROSE BUD. Rose-pink.

6065 SALMON ROSE GEM.

6067 WHITE GEM.

Each of above, Pkt., 15c

6075 LILLIPUT VAUGHAN'S SPECIAL MIXED. Oz., \$1.75; ¼ oz., 65c; pkt., 15c.

6070 LILLIPUT PASTEL MIXTURE. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

Fantasy Type

2½ ft. shaggy, ray-like petals, like Cactus Dahlia.

5910 MELODY. A rich soft orchid lavender, the medium sized flowers have finely curled and twisted petals, light and dainty in appearance. Free blooming, coming into flower early and giving continuous bloom through the summer months. Pkt., 25c.

5912 ORANGE LADY. Bright deep orange.

5911 ROSALIE. Intense rose.

5909 STAR DUST. Deep golden yellow.

5913 WHITE LIGHT. Pure white.

5914 WILDFIRE. Rich dazzling scarlet.

Each of the above, except as noted, pkt., 15c; 2 pkts. for 25c.

5908 MIXED. A bright colorful mixture of shaggy petaled double flowers. ¼ oz., 60c., pkt., 15c.



6127 ZINNIA. Linearis. Pkt., 15c.



5895 SUPER GIANT VAUGHAN'S SPECIAL MIXTURE. Pkt., 25c.

Giants of New Race

5895 SUPER GIANTS, VAUGHAN'S SPECIAL MIXTURE. A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picoteed, with many two-toned combinations. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed. Flowers grow $5\frac{1}{2}$ to $6\frac{1}{2}$ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations Pkt., 25c.



Rich Color Texture in New Strain

6043 PERSIAN CARPET. 18 in. All America Honorable Mention 1952. On compact bushy plants, flowers as large as a silver dollar are produced in the greatest abundance. They resemble dahlias, rather than zinnias, with pointed petals tipped with contrasting colors. They are fully double, almost globular and their colors are deep and rich, including yellow, orange, red, crimson, maroon, and pink in harmonious patterns, which fully justify its poetic name, Persian Carpet. They grow quickly from seed and bloom with increasing abundance until killed by frost Pkt., 25c.

5893 ZINNIA VAUGHAN'S SPECIAL MIXTURE OF ALL TYPES. This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c



6133 ZINNIA Crimson Monarch. Pkt., 15c.

Dahlia Type Zinnias

Zinnia seed should not be sown until the ground is warm. Seeds germinate in 7 days. In fertilized soil and watered freely, flowers will be more completely double.

GIANT DAHLIA FLOWERED ZINNIAS 2 TO 3 FT.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other; the flowers often 4 inches in depth and 6 inches in diameter.

- 6131 CANARY BIRD. Rich canary yellow.
 - 6133 CRIMSON MONARCH. Rich crimson, largest and best of red shades.
 - 6134 DREAM. A fine, deep rosy lavender.
 - 6134A ELDORADO. Salmon apricot.
 - 6135 EXQUISITE. Color light rose with center a deep rose.
 - 6137 GOLDEN DAWN. Beautiful shade of golden-yellow.
 - 6130 ILLUMINATION. A striking self-color of deep rose.
 - 6130A LUMINOSA. Bright pink.
 - 6142 METEOR. A rich glowing deep red, darkest of all red shades
 - 6138 ORIOLE. An immense orange and gold bicolor.
 - 6139 POLAR BEAR. A very large pure white, the best white.
 - 6143 ROYAL PURPLE. A deep rich reddish purple.
 - 6141 SCARLET FLAME. Bright scarlet.
 - 6143A WILL ROGERS. Most beautiful scarlet red.
 - 5901 SUPER CROWN OF GOLD PASTEL TINTS. Large well-formed flowers in rich pastel shades, each petal overlaid at the base with deep golden yellow.
- Each of above.....Any four pkts., 50c; pkt., 15c.

6145 GIANT DAHLIA FLOWERED, GOLD MEDAL MIXED. All the above and others, including a bewildering variety of delightful colors, all giant flowers. $\frac{1}{2}$ oz., \$1.35; $\frac{1}{4}$ oz., 75c; pkt., 15c

California Giants

They are larger than Colossal and a cross between that and the Dahlia Flowered types. They have smaller flat centers with petals more loosely placed. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

- 6161 Brightness. A bright, deep rose.
 - 6163 Miss Wilcott. Soft pink.
 - 6164 Cherry Queen. Brilliant cherry.
 - 6151 Orange King. Orange scarlet.
 - 6162A Crimson Queen. Rich crimson.
 - 6153 Purity. A clean pure white.
 - 6161A Daffodil. Canary yellow.
 - 6166 Rose Queen. Warm, deep rose
 - 6162 Enchantress. Light rose, deep rose center.
 - 6154 Salmon Queen. Salmon apricot.
 - 6169 Golden Queen. Golden yellow.
 - 6165 Scarlet Queen. Glowing scarlet
 - 6146 Grenadier. Bright dark red.
 - 6149 Violet Queen. Deep purple
 - 6147 Lavender Gem. Rosy lavender.
- Each of the above, pkt., 15c; any 4 pkts. for 50c.

ALL THE ABOVE AND OTHERS IN MIXTURE

6156 CALIFORNIA GIANTS, VAUGHAN'S SPECIAL MIXTURE. This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets $\frac{1}{2}$ oz., \$1.35; $\frac{1}{4}$ oz., 75c; pkt., 15c.



6168 ZINNIA Isabellina. Pkt., 25c.

6168 ISABELLINA. A beautiful soft cream-yellow, blending well in all color combinations in the garden or in flower arrangements. For many years unobtainable, we are again able to offer seed. Pkt., 25c.

All Giant Zinnia Mixture

6170 VAUGHAN'S SPECIAL MIXTURE OF ALL GIANT SORTS. This includes all giant varieties listed and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. **25c**

½ oz., \$1.35; ¼ oz., 75c; pkt.



All-Type Zinnia Collection

9 Packets (\$1.45 value) \$1.00

6185 ALL-TYPE ZINNIA COLLECTION. So varied are the forms and colors of the zinnia, an entire garden can be planted with this native American flower. Illustrated above are nine distinct forms, varying from dwarfs to giants, bearing small flowers and large, capable of filling every garden role. One packet each of the following 9 varieties are included in this collection: Dahlia Flowered Gold Medal Mixture; Fantasy Mixed; Cupid Mixture; Pumila Vaughan's Special Mixture; Lilliput Vaughan's Special Mixture; Scabiosa Flowered Mixed; Vaughan's Midget (Mexicana) Mixture; California Giants Vaughan's Special Mixture; Super Giant Vaughan's Special Mixture. All nine packets, (value \$1.45) for \$1.00.



LOVELIEST COLUMBINES

7156 AQUILEGIA LONG-SPURRED CRIMSON STAR HYBRIDS. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c.

Seeds of Hardy Perennials



HARDY YELLOW ALYSSUM

7055 ALYSSUM SAXATILE COMPACTUM (BASKET OF GOLD). 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt., 15c.



PAINTED DAISIES

8438 PYRETHRUM ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. Pkt., 25c.

For Your Primrose Path

Of all the flowers that require shade in the summer months, and do not object to some dampness, primulas are most beautiful. They flower in the spring and early summer, and many prefer to sow their seeds in the fall. To grow primulas from seed is an accomplishment of which an amateur may be proud, though it requires patience and understanding of the plant's requirements rather than exceptional skill.

Seeds should be sown in the fall or early spring, in a flower pot or flat filled with porous potting soil. Barely cover the seeds and keep the soil moist and shaded from the sun. Germination time varies with different species but all take 15 to 30 days, and some when sown in the fall may lie dormant until spring. Transplant them to their permanent positions when danger of frost is over. A shaded location, in soil rich in organic matter should be chosen, and special attention should be given to give the plants sufficient moisture.

8420 PRIMULA VERIS COLOSSEA MIXED. (Highly Commended. Wisley Trials 1952.) The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 35c.

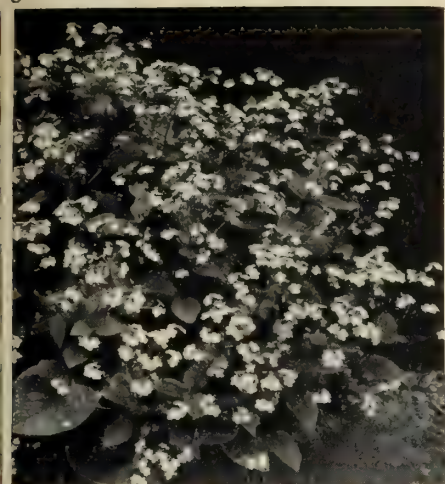


8420 PRIMULA COLOSSEA MIXED. Pkt., 100 seeds, 35c.

Vaughan's Perennial Flower Seeds

If sown in the early spring, perennial flowers will grow into sturdy plants by fall and if moved then to their permanent places they will give normal bloom the following summer. Some varieties will bloom

in the fall of the year they are planted. To grow your own perennials from seed enables you to have an abundance of plants for small outlay, plus the knowledge that your skill and effort produced them.



7073 **ANCHUSA**, *Myosotidiflora*. Pkt., 35c.

Achillea (Yarrow)

Culture: D or E, Page 52

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers. Seeds germinate in 12 days

7008 **EUPATORIUM FILIPENDULA, PARKER'S VARIETY**. 3 to 5 ft. June-Sept. Clear yellow flower-heads, may be dried for winter bouquets. Pkt., 15c.

7010 **THE PEARL**. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

Aconitum (Monkshood)

Culture: C, Page 52

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates in 20-30 days. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7020 **NAPELLUS**. 2½ ft. July-August. Fine rich blue flowers. Pkt., 25c.

Agrostemma

Culture: E, D or C, Page 52

7048 **CORONARIA ATRO-SANGUINEA**. 1 to 2 ft. June-Sept. Attractive, free flowering, producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Germinates in 20-30 days. Pkt., 10c.

Alyssum (Madwort)

Culture: B, D or E, Page 52

Seeds germinate in 5-10 days.

7055 **SAXATILE COMPACTUM (BASKET OF GOLD)**. 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt., 15c.

7056 **—COMPACTUM SULPHUREUM CITRINUM**. Lovely pale lemon flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

7057 **ROCK GARDEN VARIETIES MIXED**. Many rare species in mixture. Pkt., 15c.

Columbine

(Aquilegia)

Culture: B, C, D or E, Page 52

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting, all are easily grown from seed. They prefer light shade, and thrive in any fairly rich soil. Seeds germinate in 30 days.

7150 **MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS**. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c.



7144 **AQUILEGIA** Longissima Hybrids. Pkt., 50c.

AQUILEGIA—Continued

7151 **DOBBIE'S IMPERIAL HYBRIDS**. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7160 **CELESTIAL BLUE**. Outstanding Scotch Strain. Large flower, long spurs. Petals rich blue, corolla and spurs lighter blue. Comes true from seed. Pkt., 25c.

7125 **LONG SPURRED CHRYSANTHA**. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 **LONG SPURRED CHRYSANTHA SILVER QUEEN**. 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7156 **LONG-SPURRED CRIMSON STAR HYBRIDS**. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c.

7152 **VAUGHAN'S SUPERLONG-SPURRED MIXTURE**. 18 in. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Pkt., 50c.



7150 **AQUILEGIA**, Mrs. Scott Elliott's Strain. Pkt., 25c.



7197 **ARABIS** Alpina Rosea. Pkt., 35c.

AQUILEGIA—Continued

7158 **LONG-SPURRED BLUE**. Splendid selection from light to dark blue. Pkt., 35c.

7157 **LONG-SPURRED COPPER QUEEN**. Lovely deep copper with long spurs of deeper hue. Pkt., 50c.

7159 **LONG-SPURRED ORANGE AND SCARLET**. 35c.

7162 **LONG SPURRED McKANA HYBRIDS**. See Novelties. Pkt., 50c.

7131 **CLEMATIFLORA MIXED**. Spurless with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.

7141 **COERULEA MRS. NICHOLLS**. This is a glorified Rocky Mountain with larger flowers. Pkt., 35c.

7145 **—ROSEA (Rose Queen)**. 2½ ft. Light to dark rose, white center. Pkt., 25c.

7143 **LONGISSIMA**. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 35c.

7144 **LONGISSIMA HYBRIDS**. A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c.

Anchusa

(African Forget-Me-Not)

Culture: B, D or E, Page 52

Anchusas provide some of the few really blue flowers. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants. Seeds germinate in 20 days.

7070 **ITALICA, DROPMORE VARIETY**. 5 ft. June-July. Gentian flowers. Pkt., 15c.

7071 **—FELTHAM PRIDE**. Extra large flowers of very bright blue. Compact habit. 3 ft. Pkt., 25c.

7073 **MYOSOTIDIFLORA**. 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow. Pkt., 35c.

Arabis (Rock Cress)

Culture: D or E, Page 52

Spreading dwarf, spring-flowering plants. Seeds germinate in 8 days.

7195 **ALPINA**. 1 ft. April. Pure white. Pkt., 10c.

7197 **—ROSEA**. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

7198 **DWARF SNOW CAP**. Shining snow white compact cushions. Pkt., 25c.

7199 **SPRING CHARM**. Compact bushy plants covered with blossoms of intense carmine. Coming into flower early, it provides a bright splash of color in the rock garden. 8 in. Pkt., 35c.



8080 **CANDYTUFT** *Sempervirens*, Pkt., 25c.

Anemone (Windflower)

Culture: B, C, D or E, Page 52
Seeds germinate in 15-20 days.

- 7080 CORONARIA ST. BRIGID'S STRAIN.** 12 in. May-June. Double and single mixed. A beautiful selection in a wonderful array of colors. Pkt., 20c.
- 7090 PULSATILLA (PASQUE FLOWER).** 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. Pkt., 25c.

Anthemis (Marguerite)

Culture: B, D or E, Page 52
Seeds germinate in 8 days.

- 7110 KELWAYI.** 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.
- 7112 SANCTA JOHANNIS.** Brilliant yellow flowers about 1½ in. in diameter, borne singly on straight stiff leafless stems, 9 to 12 in. in length. Especially good for cutting. Pkt., 25c.
- 7114 TINCTORIA, PERRY'S VARIETY.** 2 ft. Large lemon-yellow daisies, bloom all summer. Pkt., 25c.

Armeria (Thrift, Sea Pink)

Culture: B, D or E, Page 52

Dwarf plants with grassy leaves and tufted growth. The flowers are borne in globular heads. Seeds germinate in 12-15 days.

- 7206 GLORY OF HOLLAND GIANT PINK.** Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inches high in profusion all summer. Fine for cutting. Pkt., 25c.



7225 **ASTER** Perennial Large Flowering Mixed. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 52

- 7220 TUBEROSA.** 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Seeds germinate in 30 days. Pkt., 25c.

Hardy Asters

Culture: B, D or E, Page 52

DWARF ALPINES

- 7226 ALPINUS GOLIATH.** Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.
- 7224 AMELLUS HYBRIDUS.** New named varieties, finest mixed. Pkt., 25c.
- 7225 PERENNIAL, LARGE-FLOWERING MIXED.** 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

Aubrietia

Culture: B, D or E, Page 52

One of the daintiest and beautiful of dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Seeds germinate in 20 days. 6 in.

7230 LARGE FLOWERED HYBRIDS, MIXED. A wonderfully fine strain, good range of colors. Pkt., 25c.

Baptisia

Culture: B, C, D or E, Page 52

- 7235 AUSTRALIS (FALSE INDIGO).** Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Seeds germinate in 20 days. Pkt., 10c.



7220 **ASCLEPIAS.** *Tuberosa*. Pkt., 25c.

Boltonia (False Chamomile)

Culture: B, D or E, Page 52

They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters. Seeds germinate in 12 days.

- 7250 LATISQUAMA.** 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.
- 7435 CERASTIUM TOMENTOSUM (SNOW IN SUMMER).** 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

CANDYTUFT (Iberis)

Culture: A, B, D or E, Page 52

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Seeds germinate in 8 days.

- 8075 GIBALTARICA.** Pinkish white. Pkt., 10c.
- 8080 SEMPERVIRENS.** Sheet of white. Pkt., 25c.



7270 **CAMPANULA**, Medium *Calycanthema* Mixed. Pkt., 10c.

Campanulas

Culture: B, D or E, Page 52

This brilliant family includes biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately *Pyramidalis* and *Persicifolia* types which reach 6 feet. Seeds germinate in 8-10 days.

Canterbury Bells

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually. 36 in.

DOUBLE	SINGLE
7320 BLUE.	7300 BLUE.
7325 PINK.	7301 LILAC.
7315 WHITE.	7305 PINK.
7330 MIXED.	7295 WHITE.
	7310 MIXED.

Each of the above, pkt., 10c.

CUP AND SAUCER

- 7270 CALYCANTHEMA MIXED.** 2 ft. June-Aug
- 7285 —BLUE.** **7280 —PINK.**
- 7284 —LILAC.** **7275 —WHITE.**
- Each of the above, pkt., 10c.

Perennial Campanulas

Seed sown one year, plants will bloom the next and for several years following, increasing each year.

- 7260 CARPATICA (HAREBELL) BLUE.** 9 in. June to Aug. Forms cup-shaped, upright blooms of a light violet-blue. Likes partial shade. Pkt., 10c.
- 7331 GARGANICA.** Beautiful star-shaped sky-blue flowers cover the trailing plants. Pkt., 15c.
- 7335 LACTIFLORA COERULEA.** Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.
- 7344 PERSICIFOLIA (PEACH BELLS) BLUE.** 2-3 ft. June-July. Fine border plant. Pkt., 25c.
- 7345 —ALBA.** White. Pkt., 25c.
- 7347 —WEDGEWOOD.** Large flowers of deep violet blue. Does well in full sun or partial shade. Pkt., 35c.
- 7350 —MIXED.** Blue and white. Pkt., 25c.
- 7370 VAUGHAN'S SPECIAL MIXTURE OF CAMPANULAS.** A grand assortment of all varieties. Pkt., 25c.

Centaurea

(Hardheads, Knapweed)

Culture: B, D or E, Page 52

- 7428 HARDY PERENNIAL MIXED.** A mixture of thirty hardy *Centaureas*. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Seeds germinate in 8 days. Pkt., 15c.



7401 **CARNATION**, Grenadin Mixed. Pkt., 25c.



7464 **SHASTA DAISY**, Marconi Reselected. Pkt., 50c.



7522 **DELPHINIUM** Chinese Cambridge Blue. Pkt., 25c.

7523 Chinese Blue Mirror. Pkt., 35c.

Delphinium

For a complete listing of Pacific Giant and other Delphinium varieties, see Our Novelties, page 13.

7569 **WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED**. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor $1\frac{1}{2}$ to 2 inches in diameter, many double. Pkt., 50c.

7571 **DELPHINIUM VAUGHAN'S SPECIAL MIXTURE**. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

(Chinese Larkspur)

Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

7520 **CHINESE BLUE**. 2-3 ft. Gentian Blue. Pkt., 10c.

7523 **CHINESE BLUE MIRROR**. One of the few true navy blue flowers. Pkt., 35c.

7525 **—ALBUM**. 2-3 ft. Pure white. Pkt., 10c.

7522 **—CAMBRIDGE BLUE**. 2 to 3 ft. A good light blue. Pkt., 25c.

7530 **—MIXED**. Pkt., 10c.



7688 **DIANTHUS BARBATUS**, Single Dwarf, "Midget" Mixed, (Indian Carpet) Pkt., 25c.

DIANTHUS BARBATUS—(Cont.)

7711 **MIDGET DOUBLE DWARF MIXED**. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7712 **DOUBLE DWARF DARK CRIMSON**. A selection from the popular Midget Mixed. Pkt., 25c.

7715 **VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM** of all listed and others. Pkt., 25c.

Hardy Pinks

(Dianthus)

Culture: B, D or E, Page 52

Favorites for generations, these gay flowers are of great value in the border and rock garden. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation. Seeds germinate in 8-10 days.

7576 **ALLWOODI ALPINUS**. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens. Pkt., 50c.

7575 **ALLWOODI MIXED**. 1 ft. The flowers are about 75 per cent double and of all colors except blue and yellow. The single flowers grow in clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.

7580A **DELIGHT**. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c.

Dianthus Barbatus

Single Sweet William 18-24 in.

Culture: B, D or E, Page 52

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

7650 **GIANT WHITE "SPECIAL."** $1\frac{1}{2}$ -2 ft. Pure white flower clusters, on strong wiry stems. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from $\frac{1}{2}$ to $\frac{3}{4}$ of an inch in diameter. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

7659 **HOMELAND**. Dark red with large sharply defined, clear white center. Pkt., 35c.

7660 **NEWPORT PINK**. Salmon pink. Pkt., 15c.

7635 **SCARLET BEAUTY**. Vivid orange or salmon scarlet. Pkt., 15c.

7685 **SINGLE GIANT-FLOWERED MIXED**. Pkt., 10c.

7688 **SINGLE DWARF "MIDGET" MIXED**. (Indian Carpet) 3-4 in. Alpine Sweet William of compact habit. Blooms are quite large and almost entirely cover foliage. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms being tri-colored. Excellent for the perennial border. Pkt., 25c.

DOUBLE VARIETIES

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7710 **GIANT DOUBLE MIXED**. The plants are of robust bushy habit, producing numerous stems surmounted by immense umbels of full double flowers many over one inch in diameter. The colors are extremely varied. Pkt., 20c.

Garden Carnations

Culture: B, D or E, Page 52

GREINADIN-20 in.

A valuable bedding variety with double flowers, blooming first year from seed if sown early. Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial. Seeds germinate in 10-15 days.

7390 **KING OF THE BLACKS**. Darkest red, very fine Pkt., 25c.

7398 **GOLDEN SUN**. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 **RED**. (Scarlet). Pkt., 25c.

7385 **TRIUMPH ROSE**. Pkt., 25c.

7400 **WHITE**. Pkt., 25c.

7401 **MIXED**. Pkt., 25c.

7396 **DWARF BRIGHT SCARLET**. 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c.

VIENNA DWARF CARNATIONS

They grow evenly about 14 inches tall, are extra-double and very large-flowering. The color display is magnificent. Flower at least 14 days earlier than others.

7415 **MIXED**. Pkt., 25c.

Coreopsis

Culture: B, D or E, Page 52

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer. Seeds germinate in 8 days.

7493 **DOUBLE SUNBURST**. The flowers are double, $1\frac{1}{2}$ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c.

7495 **LANCEOLATA GRANDIFLORA**. 2 ft. June-Oct. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 **MAYFIELD GIANTS**. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt., 20c.

Shasta Daisies

Culture: B, D or E, Page 52

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seeds, which germinate in 8 days.

7500 **ALASKA**. 2-2 $\frac{1}{2}$ feet. Splendid for cutting. Pkt., 10c.

7464 **SHASTA DAISY G. MARCONI RESELECTED (Double)**. The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems $2\frac{1}{2}$ to 3 ft. long. Pkt., 50c.

7504 **GIANT DOUBLE SHASTA DAISY**. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c.

Digitalis (Foxglove)

Culture: B, D or E, Page 52

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Seeds germinate in 10-15 days.

7768 THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c.

7753 EXCELSIOR MIXED. A blend of unusual shades, many of the florets are strikingly marked. The flower spikes are from 4 to 5 ft. in height and the individual florets are horizontally set around the stem, instead of the usual drooping effect so common to Digitalis. Very free flowering. Pkt., 35c.

7749 PRINCESS PASTEL MIXTURE. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 VAUGHAN'S SPECIAL MIXTURE OF DIGITALIS. The above, and others we buy especially for our formula mixture. Pkt., 15c.



7855 **GEUM**, Mrs. Bradshaw. Pkt., 25c.

Dictamnus (Gas Plant)

Culture: B or C, Page 52

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved. Seeds germinate in 50-60 days.

7720 FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c.

Doronicum (Leopard's Bane)

Culture: B, D or E, Page 52

7780 CAUCASICUM MAGNIFICUM. Showy yellow flowers with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates in 20-30 days. Pkt., 35c.

Euphorbia

Culture: B, D or E, Page 52

7807 COROLLATA (WILD BABY'S BREATH). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila, flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Seeds germinate in 20-30 days. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 52

Seeds germinate in 20 days

7809 GRANDIFLORA MONARCH STRAIN. A robust strain varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c.

7811 —DAZZLER. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

Geum

Culture: B or C, D or E, Page 52

Seeds germinate in 10 days.

7852 LADY STRATHEDEN (GOLDEN BALL). 2 ft. Flowers loosely double, golden yellow. Pkt., 35c.

7855 MRS. BRADSHAW. 2 ft. Double orange-scarlet flowers. June-Sept. Pkt., 25c.



7812 **GAILLARDIA**, Burgundy. Pkt., 25c.



7780 **DORONICUM**, Caucasicum Magnificum. Pkt., 35c.

7768 **DIGITALIS**, Shirley Hybrids. Pkt., 25c.

HARDY PINKS (Dianthus)—(Cont.)

7631 LOVELINESS. An improvement on the original strain; colors range from white, mauve and blue to deep crimson. This marvelous range of color combined with the misty effect of the petals produces a mass of color in the border. Delightfully fragrant. Plants range from 9 to 15 inches in height but do not require staking. Pkt., 25c.

7587 BEST ROCK GARDEN VARIETIES MIXED. Rock gardens need the low growing Dianthus to brighten spots and fill in crevices. Pkt., 25c.

7592 WINTERI. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

PLUMARIUS is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7585 HIGHLAND HYBRIDS. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7590 CYCLOPS RED HYBRIDS (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7632 SCOTICUS DOUBLE SPECIAL STRAIN. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 SPRING BEAUTY. Double giant-flowered Grass Pinks. Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7625 VAUGHAN'S SPECIAL MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others. Pkt., 25c.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 52

7718 EXIMIA (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Seed germinates slowly. Pkt., 25c.

VAUGHAN'S PERENNIAL FLOWER SEEDS

Gerbera (Transvaal Daisy)

Culture: D or E, Page 52

Seeds germinate in 12 days.

- 7846 JAMESONI HYBRIDS (FLOWERLAND STRAIN).** 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25 seeds) 25c.

Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 52

Seeds germinate in 12 days.

- 7866 OLDHAMIANA.** 3 ft. The buds are first almost white, but open a lively shade of pink that darkens as the flowers mature. Pkt., 25c.

- 7867 PACIFICA.** 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

- 7860 PANICULATA DOUBLE SNOW WHITE.** 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. Pkt., 25c.

- 7865 —(BABY'S BREATH).** 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

- 7863 REPENS ROSEA.** 6 in. Attractive pink. Pkt., 15c.

- 7862 REPENS DWARF WHITE.** Pkt., 15c.

Helianthemum

Culture: C, Page 52

- 7906 MUTABLE (ROCK ROSE).** 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds germinate in 12 days. Pkt., 15c.

Helenium (Sneezewort)

Culture: B, D or E, Page 52

- 7890 RIVERTON GEM.** 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Seeds germinate in 8 days. Pkt., 25c.

Helleborus

- 7917 NIGER (CHRISTMAS ROSE).** 10 in. A rare interesting perennial which blooms in winter or early spring. Flowers of white. Although a difficult subject, it is well worth the effort. Pkt., 35c.

Hemerocallis

Culture: A, B, C or D, Page 52

- 7922 PEELESS BLEND.** A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds germinate in 30-40 days. Pkt., 25c.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 52

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

- 7930 PURPUREA.** Lilac. Pkt., 10c.

- 7935 —ALBA.** White. Pkt., 10c.

Heuchera (Coralbells)

Culture: B, D or E, Page 52

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Seeds germinate in 20-30 days.

- 7940 SANGUINEA.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.

- 7943 —NEW HYBRIDS MIXED.** All shades of red and coral pink. Large and free flowering. Pkt., 25c.

IBERIS, see Candytuft, page 44.

Liatris (Kansas Gay Feather)

Culture: B, D or E, Page 52

- 8117A SCARIOSEA SEPTEMBER GLORY.** A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Seeds germinate in 20-30 days. Pkt., 25c.



7943 HEUCHERA, Sanguinea New Hybrids. Pkt., 25c.

Hollyhocks

Culture: B, D or E, Page 52

Hollyhocks are most decorative and indispensable to the garden picture. Following Delphiniums in the border show they have a long season of bloom which can be prolonged by picking off faded flowers. A second crop will come if the first stalks are cut back. They need a well drained location. Hollyhock rust can be overcome by sowing the seed each year for flowering the next, as rust seldom attacks young plants. Seeds germinate in 8 days.

DOUBLE VARIETIES

- 8005 NEWPORT PINK.** The finest pure pink. Pkt., 15c.

- 8008 BEGONIA FLOWERED IMPERATOR MIXED.** Flowers with broad collar of frilled and fringed petals and double center rosette, many interesting combinations of colors. Pkt., 25c.

- 8015 VAUGHAN'S PRIZE DOUBLE MIXTURE.** Finest shades in perfect flowers. $\frac{1}{4}$ oz., 50c; pkt., 15c.

- 8016 VAUGHAN'S SPECIAL MIXTURE.** Mixture of all the best double varieties with new French strains. Pkt., 25c.

SINGLE VARIETIES

More permanent and hardy than the double.

- 8055 MIXED.** $\frac{1}{4}$ oz., 30c; pkt., 10c.

ANNUAL HOLLYHOCKS—See Page 28.



8117A LIATRIS September Glory. Pkt., 25c.

Hibiscus (Rose Mallow)

Culture: B, D or E, Page 52

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Seeds germinate in 15 days. Aug.-Sept.

- 7947 AVALON HYBRIDS.** 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from bluish through pink, rose and vivid reds. Bloom until October. Pkt., 25c.

- 7946 MALLOW MARVELS RED.** 3 ft. Pkt., 15c.

- 7960 MALLOW MARVELS MIXED.** 3-5 ft. Pkt., 15c.

Grow Iris From Seed

Culture: A, B or C, Page 52

Seed germinates in 20-30 days.

- 8086 AVALON BLEND.** Made up from such beautiful and desirable Iris species and hybrid groups as Tenax, Forresti, Clarkei, Aurea, Douglasiana, Delavayi and many others. Interesting and unusual. Pkt., 35c.

- 8090 GIANT BEARDED.** These are the large flowered, named "Bearded" or "German" Irises of our gardens. Our seed has been saved from a fine collection of seedlings and should show a remarkable range of variable color richness, all the bright self hues, with pastel harmonies in fawn, lilac, bronze tawnies, rose shades, copper and wine shadings. Pkt., 35c.

- 8089 KAEMPFERI.** Special strain. Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.

- 8092 SIBERIAN.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c.

- 8091 DICHOTOMA (AUGUST OR VESPER IRIS).** Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Pkt., 20c.

For Iris plants see Index.

Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 52

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Seeds germinate in 25-30 days.

- 8100 PINK BEAUTY.** Pale pink variety. Pkt., 15c.

- 8105 RUBRA.** Bright rosy crimson. Pkt., 15c.

- 8110 WHITE PEARL.** Large white. Pkt., 15c.

- 8115 MIXED.** A special blending of the colors available in this fine climber. Pkt., 15c.

Lavender (Lavandula)

Culture: B, D or E, Page 52

- 8117 MUNSTEAD STRAIN.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Seeds germinate in 12 days. Pkt., 25c.

Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. Seeds germinate in 20-30 days.

- 8158A LONGIFLORUM PRAECOX WHITE QUEEN.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c.

- 8159 PHILIPPINENSE FORMOSANUM SNOW-DRIFT.** Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c.

- 8152 REGALE PURE WHITE.** Trumpets of pure glossy white, large blooms, very fragrant. A reliable, consistent bloomer, very hardy. Pkt., 25c.

- 8163 TENUIFOLIUM (CORAL LILY OF SIBERIA.)** 24 in. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt., 25c.

- 8164A MIXTURE OF HARDY LILIES.** Includes seeds of 50 Lilium species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c.

For bulbs of Lilies see Index

Lychnis

Culture: B, D or E, Page 52
Seeds germinate in 10-12 days.

8190 CHALCEDONICA (MALTESE CROSS). 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8220 LYTHRUM Roseum Superbum. Spikes of rose-purple; a good border plant. 40 in. Pkt., 15c.

Culture: B, D or E, Page 52

8245 MYOSOTIS PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. Pkt., 25c.

Pentstemon (Beard Tongue)

Culture: B, D or E, Page 52

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

8324 BARBATUS. Tall erect branching. A showy scarlet perennial. One of the best. Seeds germinate in 10-12 days. Pkt., 25c.

Phlox Seed

8340 DECUSSATA MIXED. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

Physalis Franchetti

Culture: B, D or E, Page 52

8345 CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Seeds germinate in 15 days. Pkt., 10c.

Platycodon (Chinese Bell Flower)

Culture: B, D or E, Page 52

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September.

8360 GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.

8365 —ALBUM. White. Pkt., 15c.

8357 SHELL PINK. Soft shell pink, the veining in the flower being a deeper pink, with no trace of blue. At its best when grown in the semi-shade. In intense sun the color is inclined to fade. Has a long season of bloom. Pkt., 35c.

8370 MARISSII BLUE. 1 ft. Deep blue dwarf. Pkt., 10c.

8375 —ALBA. White. Pkt., 25c.



8279 POPPY, Nudicaule Vaughans Special Mixture. Pkt., 25c.

8259 NATIVE WILD FLOWER MIXTURE FOR SUN OR SHADE. Seeds of more than 100 different species. All American, collected in the temperate zone. For woodlands, and wild flower gardens. Pkt. **25c**



8150 LUNARIA Biennis. Pkt., 10c.

Physostegia (False Dragonhead)

Culture: B, D or E, Page 52

8248 VIRGINICA. Deep rose flowers in close compact spikes. Pkt., 25c.

Polemonium (Jacob's Ladder)

Culture: B, D or E, Page 52

8380 COERULEUM (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. June-July. Foliage fern-like. Pkt., 15c.

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 52

Cool moist soil is necessary, and light shade preferred. Hardy perennials, they bloom first year from seed. Seed germinates in 10-15 days.

8291 GARTFORD GIANT ART SHADES. Exceptionally large flowers in lovely pastels. Pkt., 25c.

8293 EMPEROR. 18-22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c.

8296 YELLOW EMPEROR. 20 in. A true Nudicaule of a clear lemon yellow. Flowers 3½ inches on 18 in. stems from low-growing, bushy plants, very uniform. Five to eight flowers per plant continually for a month or better, early in the summer. Pkt., 25c

8279 VAUGHAN'S SPECIAL ICELAND POPPY MIXTURE. We have included all the newer varieties. Pkt., 25c.

Oriental Poppies

PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed. Seed germinates in 10-15 days.

8307 BEAUTY OF LIVERMERE. Crimson, Pkt., 25c.

8305 PRINCESS VICTORIA LOUISE. Lilac-rose Pkt., 15c

8310 RED. Deep crimson, large flowers. Pkt., 10c.

8313 NAMED NEW VARIETIES MIXED. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.

Sow perennial seeds early in the Spring. Summer sowing means smaller plants that require more care.



8171 LUPINUS Polyphyllus Russell Mixture. Pkt., 25c-

PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals. These formula-blends are composed of the more important perennial varieties in their respective height groups.

8600 DWARF. 6 to 15 in.

8601 MEDIUM. 18 to 36 in.

8602 TALL SORTS MIXED. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.

Linum (Flax) 12 to 18 in.

Culture: C, Page 52

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days.

8134 COLLINUM. A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 FLAVUM. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8127 NARBONENSE HEAVENLY BLUE. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8125 PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

Lobelia

Culture: B, C, D or E, Page 52

8145 CARDINALIS (CARDINAL FLOWER). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Seeds germinate in 10-12 days. Pkt., 15c.

For Winter Bouquets

Culture: B, D or E, Page 52

8150 LUNARIA BIENNIS ANNUA (HONESTY OR ST. PETER'S PENNY). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Seeds germinate in 10-12 days. Pkt., 10c.

Lupinus Polyphyllus

Culture: A, B, D or E, Page 52

Inoculate Lupin seed with Nitragin. Two garden sizes, 15c and 25c. Chill seed before sowing. Germinates in 8-10 days.

8171 RUSSELL STRAIN. MIXED COLORS. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing. Pkt., 25c

8179 VAUGHAN'S SPECIAL MIXTURE. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.



8416 **PRIMULA**, *Veris Grandiflora*. Pkt., 35c.

Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days.

Culture: C or B, Page 52

8403 ACAULIS BLUE. The finest obtainable being regular and rich in color. Pkt., (100 seeds) \$1.00.

8403A AURICULA LARGE FLOWERING MIXED. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c.

8411 JAPONICA MIXED. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 VERIS GIANT CRIMSON. Pkt., 25c.

8420 —COLOSSEA MIXED. (HIGHLY COMMENDED. WISLEY TRIALS 1952.) The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 35c.

8421 —LUTEA. Clear yellow, extra fine. Pkt., 25c.

8416 —GRANDIFLORA MIXED. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c.

8418 —GIANT BOUQUET MIXED. (AWARD OF MERIT WISLEY TRIALS 1952.) An extra choice strain with large flowers and long stems, in a wide range of color. Pkt., 25c.

8424 VULGARIS (ENGLISH PRIMROSE). Pale yellow for wild gardens. Pkt., 25c.

Pyrethrum Roseum (Painted Daisy)

Culture B, D or E, Page 52

Their large flowers, well-named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seeds, which germinate in 20 days. 1 to 2 ft.

8433 DOUBLE MIXED. Pkt., 35c.

8444 DOUBLE RED. Pkt., 50c.

8445 —PINK. Pkt., 50c.

A certain per cent of the above will be single.

8443 SINGLE ROSEUM. Rose. Pkt., 25c.

8440 —GRANDIFLORUM SINGLE MIXED. Pkt., 15c.

8438 —ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. Pkt., 25c.

8438A —ROBINSON'S CRIMSON. The best red. Pkt., 25c.

Ranunculus

8451 ASIATICUS (GIANT DOUBLE HYBRIDS).

A particularly fine strain of double large flowered hybrids in sulphur yellow, golden yellow, scarlet, crimson, lilac and many other shades. Can be planted in the garden in earliest Spring. Seeds germinate in 15-20 days. Pkt., 25c.

Rose

Culture: B, D or E, Page 52

8452 THE BABY ROSE. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Rudbeckia (Cone Flower)

Culture: B, D or E, Page 52

Seeds germinate in 20-30 days.

8462 PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Pkt., 15c.

8465 HERBSTWALD AUTUMN TINTS. 2 ft. Blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring. Pkt., 25c.



8554 **TROLLIUS**, Choicest Mixed. Pkt., 25c.

Salvia

Culture: B, D or E, Page 52

8480 PATENS. 2 ft. Large, rich deep blue flowers in September. Roots can be wintered in cellar. Seeds germinate in 15 days. Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 52

8490 CAUCASICA PERFECTA. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.

8491 —ALBA. Pure white comes true. Pkt., 25c.

8494A —VAUGHAN'S SPECIAL MIXTURE. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.

8492 —HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

Statice

8520 LATIFOLIA. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 15c.

Stokesia (Stokes' Aster)

Culture: B, D or E, Page 52

Large flowers, resembling a single Aster. Seeds germinate in 20 days.

8525 CYANEA. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.



8494A **SCABIOSA**, *Caucasica* Vaughan's Special Mixture. Pkt., 25c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 52

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed, germinating in 15-20 days.

8541 AQUILEGIFOLIUM MIXED. (Feathered Columbine). Graceful foliage, mixed colors, 3 ft. Pkt., 25c.

8545 DIPTEROCARPUM MAGNIFICUM. Taller, more vigorous and larger flowered than the older strain of *Dipterocarpum*. Flowers in panicles, ranging from white to rosy-mauve. Excellent for cutting. 5 ft. Pkt., 25c.

Thermopsis

Culture: B, D or E, Page 52

8548 CAROLINIANA. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Seeds germinate in 15-20 days. Pkt., 25c.

Tritoma (Red Hot Poker)

Culture: B, D or E, Page 52

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems.

8558 PFITZER'S HYBRIDS. Orange scarlet. Pkt., 15c.

8550 TRADESCANTIA MIXED. Fully hardy, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c.

8554 TROLLIUS CHOICEST MIXED VARIETIES. Pkt., 25c.

8561 VALERIANA (GARDEN HELIOTROPE) MIXED. Pkt., 15c.

Tall, Hardy Verbena

Culture: B, D or E, Page 52

8566A BONARIENSIS. 4 ft. A grand perennial that blooms from seed the first year. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

Veronica (Speedwell)

Culture: B, D or E, Page 52

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes. Seeds germinate in 15-20 days.

8570 SPICATA BLUE. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

Viola

8282 SUPER LARGE FLOWERING SCOTCH. See Novelties. Pkt., 25c.

8285 GEORGIA PEACH. See Novelties. Pkt., 35c.

Home Greenhouse and House Plants from Seed



BEGONIA, Type of Pink Pearl and Red Pearl.

Abutilon

120 MIXED (FLOWERING MAPLE OR CHINESE BELL FLOWER). ÷ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

Antirrhinum SNAPDRAGON ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 52

BRONZE

362 AFTERGLOW. Golden bronze.

400 BARBARA. Large bronze florets, pink throat and bright bronze lips.

LAVENDER

416 WINDMILLER'S LILAC. An excellent orchid color, coming true.

420 WITTERSTAETTER'S ORCHID. A rich even color.

RED

411 PRISCILLA ANN. Velvety-crimson florets. At times a faint touch of yellow is noted on the lip.

407 SHISLER'S RED. Glowing wine-red

ROSE AND PINK SHADES

363 BETTER TIMES. A true American Beauty rose-red.

375 CHEVIOT MAID SUPREME. Deep rose pink

377 CHRISTINA. Medium-light pink.

378 CHRISTMAS CHEER. The earliest rose-pink.

398 MARYLAND PINK. Light pastel pink.

408A ROSE QUEEN. Dark pink.

WHITE

397 MARGARET. Ivory white.

418 TWENTY GRAND. A good winter flowering White.

YELLOW

387 GOLD RUSH. Deep Jonquil yellow.

384 PATRICIA. Rich yellow with full deep yellow lower lip

EACH OF THE ABOVE. Pkt., 75c.

426 VAUGHAN'S RAINBOW MIXTURE F-1 HYBRID SNAPDRAGONS. Because of their hybrid vigor, this mixture is especially well adapted to the needs of the home gardener. Grow it on in your home greenhouse for cut-flowers during the winter months, or plant outside in your garden in Spring, where it does equally well and adds an important range of color to your bouquet material. The florets are large, the stems long and strong, coming into bloom early and lasting well into the early Fall. Pkt., 75c.

Asparagus ÷

Culture: C. Pot up in Fall, force in greenhouse. Page 52

480 PLUMOSUS NANUS. + 3 ft. Pkt., 35c

485 SPRENGER. + Finest material for hanging baskets. Pkt., 35c

Begonias TUBEROUS ROOTED

Culture: D or E, Page 52

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse. Seeds germinate in 20 days

For Bulbs of Begonia Tuberous rooted see index on final pages.

For treating Begonia seed, to prevent damping-off, we recommend Spergon Wettable, 35c ounce, postpaid, and Arason, 3/4 ounce 35c, postpaid

1100 DOUBLE TUBEROUS ROOTED VAUGHAN'S SPECIAL MIXTURE. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., \$1.00.

FIBROUS-ROOTED EVER-BLOOMING

Culture: B, C, D or E, Page 52

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper. Seeds germinate in 20 days.

1075 ADELINE (Improved Darling). Very dwarf habit; bright pink flowers and green foliage, very attractive. Pkt., 35c.

1071 CHRISTMAS CHEER RED. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1082 INDIAN MAID. 10 in. Bright deep scarlet buds and flowers, lustrous bronze foliage. Pkt., 25c.

1085 KING OF THE REDS! Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1073 SNOWBANK. The finest dwarf white. Large flowers of purest white, freely produced on plants that are compact and uniform in growth. Foliage is a bright clear green. Pkt., 50c.

1066 PINK PEARL. Of dwarf compact habit, 6 to 8 in. high. The plants form perfect balls and the flowers are borne well above the bright green foliage. Pkt., \$1.00.

1067 RED PEARL. Identical to the above in type and blooming habit. Color a brilliant dark scarlet. Pkt., \$1.00.

1080 SCANDINAVIA PINK. An outstanding large flowered pink. Plants of branching habit, with dark green foliage. Pkt., 35c.

1078 WHITE PEARL. Large flowered white with dark green foliage and reddish stems. 12 in. Pkt., 35c.

1090 VAUGHAN'S SPECIAL MIXED. Finely balanced blend of full color range. Pkt., 25c.

Browallia

1155 SPECIOSA MAJOR. Large bright blue flowers with a white throat. Very free flowering. Pkt., 35c.

Calceolaria +

Culture: C. Pot up in Fall, force in greenhouse. Page 52

1179 HYBRIDA MULTIFLORA NANA MIXED. The average size of the blooms is only 1 1/2 inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00

1184 HYBRIDA GRANDIFLORA TRIUMPH STRAIN. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigred or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., \$1.00.

Crossandra

1996 CROS'SANDRA. A new and interesting evergreen and everblooming plant for the home. The leaves are a glossy rich green and the flower ranges in color from salmon pink to peach, and blooms for a long time. Sow seed in well sterilized soil, being sure the pot or pan has good drainage. It likes heat, 70 to 80 degrees fahrenheit will result in quick growth. Pkt., \$1.00.

Cineraria Hybrida +

Culture: C. Pot up in Fall, force in cool greenhouse. Page 52

1715 VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. 25c.

1716 CREMER'S PRIZE MIXTURE. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c

1723 SITER'S RAINBOW STRAIN. Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth, with little leaves. Early to bloom. Pkt., 50c.

Coleus

Culture: D or E, Page 52

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 VAUGHAN'S RAINBOW MIXTURE. 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1-2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequalled for the beautiful form and coloring of its large leaves. Pkt., 50c.

Cuphea Firecracker Plant

Culture: A or B, Page 52

Seeds germinate in 20-30 days. Greenhouse Subject.

1999 FIREFLY. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c.

Cyclamen

PERSICUM GIGANTEUM +

Culture: C. Pot up in Fall, force in greenhouse. Page 52

2010 MIXED. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. Pkt., 50c.

Exacum

2445 AFFINE. An easily grown pot plant with richly fragrant flowers of bright mauve. Pkt., 35c.

Fuchsia

2460 DOUBLE AND SINGLE MIXED. From a choice collection of plants, including Storm King and others. Pkt., 35c.



IMPATIENS



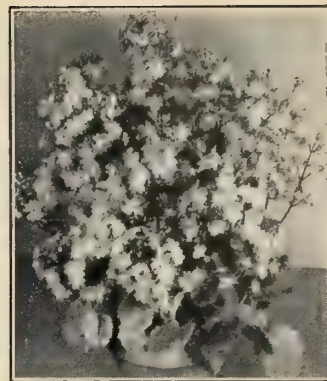
1184 **CALCEOLARIA** Hybrida Triumph. Pkt., \$1.00.



1716 **CINERARIA** Cremer's Prize Mixture. Pkt., 50c.



2560 **GLOXINIA** Vaughan's International Mixture. Pkt., 25c.



4477 **PRIMULA** Malacoides Mixture. Pkt., 35c.

Home Greenhouse and House Plants from Seed

African Violets SAINTPAULIAS

Interesting and attractive house plants with a long season of bloom; the leaves of which form a cushion from which arise the bright violet-like flowers

4588 BLUE FAIRY TALE. Extra large flowers in rich blue shades with bright yellow eye. Very free flowering. Strong bushy plants with foliage of a rich dark green will measure 12 to 14 inches across with good culture in 10 to 12 months. Pkt., 50c.

4589 NEW HYBRIDS. Flowers are varied shades of blue, lilac and pink; the plants dwarf, bushy and compact with leaves of dark green. Pkt., 50c.

Gloxinia +

Culture: D or E, Page 52

2560 VAUGHAN'S INTERNATIONAL MIXTURE. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.

Impatiens

Culture: A or B, D or E, Page 52

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom. Excellent greenhouse plant. Seed germinates in 15 days.

2890 DWARF FIERY SCARLET. The flowers are a fiery scarlet red, larger than other sorts, reaching 2 inches in diameter and freely produced. Of low spreading habit, it is an excellent variety for pots and well suited to the shady border in the garden. Pkt., 50c.

2875 HOLSTII. 1½ ft. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.

2880 TALL VARIETIES CHOICE MIXED. Includes lilac, carmine, salmon pink and scarlet shades. Pkt., 25c.

2881 SULTANI. Bright rose. Pkt., 25c

2883 DWARF VARIETIES CHOICE MIXED. Grows only 6 inches tall, flowers continuously in many shades. Pkt., 50c.

Irish Shamrock

4761 This is the true Irish strain. Started in a sunny window in January or February it will produce sturdy plants by St. Patrick's Day. A species of clover. Pkt., 15c.

Kalanchoe

Culture: D, C or E, Page 52

2915 HYBRIDA BRILLIANT STAR. Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c.

2916 YELLOW DARLING. Flowers of a strong lemon-yellow of outstanding brightness. These flowers together with the shining green leaves make it a perfect plant for flower arrangements. Plants are dwarf and compact. Pkt., 50c.

Pansy □

Culture: A, B or C, Page 52

3841 VAUGHAN'S LONG STEMMED WINTER FLOWERING RE-SELECTED MIXED. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

Primula ÷

Culture: D, C or E, Page 52

4465 CHINESE VAUGHAN'S INTERNATIONAL MIXTURE. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 12 in. Pkt., 75c.

NEW GIANT MALACOIDES—16 In.

Culture: C (May-July). Pot up July-Sept., Page 52

4474 GLORY OF RIVERSIDE IMPROVED. A true rose pink. Easily grown from seed. Pkt., 35c.

4477 MALACOIDES MIXED. Flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., 35c.

PRIMULA OBCONICA GRANDIFLORA

Culture: D or E (Jan-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 52

4486 AVALANCHE. Pure white. Pkt., 35c.

4487 FASBENDER RED. Large rich deep red. Pkt., 35c.

4489 SKY BLUE. Extra large flowers. Pkt., 35c.

4495 OBCONICA GRANDIFLORA MIXED. Good mixture. Pkt., 35c.

4496 GIGANTEA WYASTON WONDER. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.

Streptocarpus

(CAPE PRIMROSE)

4993 WIESMOOR HYBRIDS. The flowers are well fringed and crested, very large, 4 to 5 inches across. The leaves of this new strain are small while the color range is most complete, pink, in all its shades and variations, deepest red, blue shades and white with dark blotches. Free flowering. Borne on long wiry stems, they last long when cut. An excellent pot plant for winter blooming. Pkt., \$1.00



KALANCHOE Yellow Darling

Tigridia

5641 MIXED (SHELL FLOWER OF MEXICO). Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for it. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c.

Schizanthus POORMAN'S ORCHID

Culture: A or B, D or E, Page 52

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors. Seeds germinate in 20 days.

4756 MONARCH STRAIN. This is the brightest mixture of rose and appleblossom pink, salmon, crimson, deep violet purple and many indescribable variations which make this a riot of color. All are heavily veined in gold. Pkt., 25c.

4753 VAUGHAN'S DWARF "MASTERPIECE." The plants grow dwarf and compact, making them most suitable for pot plants. The color range of the flowers, which are of good size, is the most varied, ranging from light pink and rose to a pleasing dark violet, all with conspicuous blotches. Pkt., 50c

Solanum

Culture: D, C or E Page 52

4779 VAUGHAN'S CANDLE PEPPER. The peppers, which are one inch long and decidedly pointed, are creamy-yellow changing to red, producing a striking candle effect. The tapered peppers grow upright, giving a dainty and unusual effect. Pkt., 50c.

4774 CHRISTMAS CHERRY IMPROVED. Uniform bushy plant, large round red fruit is freely produced. Pkt., 25c.

Stocks

4981 TRYSONIC GIANT IMPERIAL MIXED. Of branching habit, this new strain comes 85% or more full-double from seed. The young single seedlings are noticeably weaker at the four-leaf seedling stage making it possible to remove them and so increase the percentage of double flowers. A well-balanced color range which includes fiery red, bright rose, chamois, lavender, dark blue, yellow and white. Pkt., 50c.

NON-BRANCHING COLUMN

These produce one stem, 2½ ft. high, thickly set with large double flowers.

4963 DEEP APRICOT. A rich warm buff with a faint tinge of pink. Pkt., 50c

4952 GARDENIA. Shimmering, glistening white, the flowers are the purest snow white. Pkt., 50c

4966 PACIFIC PINK. A pure pink on cream base, without the touch of blue usually found in this color. Well placed florets on good spikes. Shows up exceptionally well under artificial lights. Pkt., 50c.

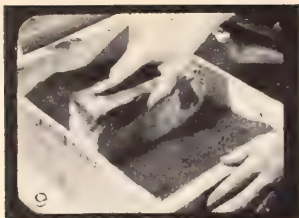
4970 PINK GIANT. A rich rose pink, the center of the flower being slightly lighter. The large florets are closely set on long stems. Pkt., 50c

4973 WHITE GIANT. Pure white without trace of green in the flowers, which are closely set on strong long stems. Pkt., 50c.

4956 SILVERY LILAC. Lilac lavender. Pkt., 50c.

4958 MIXED. A specially prepared formula which includes the above and others. Pkt., 50c

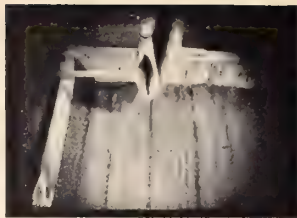
2846 HOUSE PLANTS MIXED. A mixture of the following: Begonia, Calceolaria, Cineraria, Schizanthus, Primula Malacoides, and Obconica Mixed. Pkt., 50c



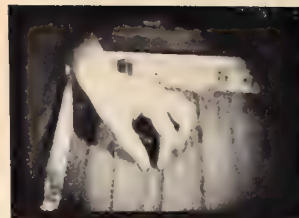
FIRMING THE SOIL



MARKING THE ROWS



SOWING SEEDS IN THE INDOOR BOX



COVERING THE SEED

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A,B,C,D, and E we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D", firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch

of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hotbed or cold frame. A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

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Yellow Jersey (dry yellow flesh)
Nancy Hall (moist yellow flesh)

SWEET POTATO SEED

10 lbs., \$2.75 (post paid), 11 lbs., and up at 20c per lb., express at purchaser's expense.

SWEET POTATO PLANTS

Due to insufficient demand we have been obliged to discontinue the production of sweet potato plants.

VEGETABLE PLANTING CHART

The key-date for all planting for the outdoor garden, whether it is done directly in the open garden, or under protection to grow plants to be transplanted, is the last killing frost of spring. You can ascertain this date in your neighborhood from experienced gardeners who usually know when it is safe to set out tender plants. In the columns headed: "Time to Sow," one for indoors, the other for outdoors, letters are used to indicate the number of weeks in advance of this safety date, when the operations indicated may begin.

Weeks before date of last killing frost of spring.

A—10 weeks.
B—8 weeks.
C—6 weeks.

D—4 weeks.
E—2 weeks.
F—When danger of frost is over.

G—When soil is thoroughly warm, and nights above 60 degrees.

Vegetable	Time to Sow		What May Be Expected	Planting Measurements		
	Indoors	Outdoors		Distance Between Rows	Distance Between Plants	Depth to Plant Seed
Beans	Green Bush.....	E	50 feet	2½ feet	4 inches	½ inch
	Wax Bush.....	E	50 feet	2½ feet	4 inches	½ inch
	Dwarf Shell.....	E	50 feet	2½ feet	4 inches	½ inch
	Bush Lima.....	F	50 feet	2½ feet	4 inches	½ inch
	Broad.....	D	50 feet	3 feet	4 inches	1 inch
	Pole Lima.....	F	75 hills	4 feet	2 feet	1 inch
	Pole.....	E	200 hills	4 feet	2 feet	½ inch
Corn	Soy (Soja).....	E	50 feet	2½ feet	4 inches	½ inch
	Early.....	E	200 feet	3 feet	12 inches	1 inch
Peas	Late.....	E	200 feet	3 feet	12 inches	1 inch
	C	100 feet	3 feet	1 inch	1 inch
			From 1 oz. of Seed			
Asparagus		C	500 plants	3 feet	15 inches	½ inch
Beet		D	50 feet	1½ feet	2 inches	½ inch
Broccoli	B	D	2000 plants	2½ feet	1½ feet	¼ inch
Brussels Sprouts	B	D	2000 plants	2½ feet	1½ feet	¼ inch
Cabbage	Early.....	B	2000 plants	2½ feet	1½ feet	¼ inch
	Late.....	E	2000 plants	2½ feet	2 feet	¼ inch
	Chinese.....	C	5000 plants	2½ feet	1 foot	¼ inch
Carrot		D	100 feet	1½ feet	2 inches	¼ inch
Cauliflower	B	E	2000 plants	2½ feet	1½ feet	¼ inch
Celeriac	A	E	3000 plants	2½ feet	6 inches	1/16 inch
Celery	A	D	3000 plants	2½ feet	8 inches	1/16 inch
Chervil		D	100 feet	1½ feet	2 inches	¼ inch
Chicory		F	100 feet	2 feet	6 inches	¼ inch
Chives		D	200 feet	1½ feet	12 inches	¼ inch
Corn Salad		D	150 feet	1 foot	3 inches	½ inch
Cress		D	100 feet	1 foot	1 inch	¼ inch
Cucumber		G	60 hills	4 feet	4 feet	½ inch
Dandelion		E	200 feet	1½ feet	6 inches	½ inch
Eggplant	B		1000 plants	3 feet	3 feet	½ inch
Endive		D	3000 plants	1½ feet	12 inches	¼ inch
Florence Fennel		G	100 feet	2 feet	6 inches	¼ inch
Kale		F	2000 plants	2 feet	1½ feet	¼ inch
Kohlrabi		D	150 feet	2 feet	4 inches	½ inch
Leeks	A	C	100 feet	1½ feet	4 inches	¼ inch
Lettuce	B	C	3000 plants	2 feet	12 inches	¼ inch
Mangel Wurzel		D	50 feet	2 feet	10 inches	½ inch
Melon		G	100 hills	4 feet	4 feet	½ inch
Mustard		D	100 feet	1½ feet	6 inches	¼ inch
Okra		F	250 plants	2½ feet	15 inches	½ inch
Onion	A	C	100 feet	1 foot	2 inches	½ inch
Parsley		D	150 feet	1½ feet	2 inches	¼ inch
Parsnip		D	100 feet	1½ feet	3 inches	½ inch
Pepper	C	F	2000 plants	3 feet	1½ feet	¼ inch
Pumpkin		F	30 hills	5 feet	5 feet	1 inch
Radish		D	50 feet	1 foot	1 inch	½ inch
Rhubarb		D	100 feet	3 feet	3 feet	½ inch
Salsify		D	75 feet	1½ feet	2 inches	½ inch
Spinach		C	50 feet	1½ feet	2 inches	½ inch
Spinach, New Zealand		E	250 plants	2 feet	2 feet	½ inch
Squash	Summer.....	E	50 hills	4 feet	4 feet	½ inch
	Winter.....	E	15 hills	7 feet	7 feet	½ inch
Swiss Chard		D	75 feet	1½ feet	6 inches	½ inch
Tomato	C	E	1500 plants	4 feet	3 feet	¼ inch
Turnip	Early.....	C	150 feet	1½ feet	3 inches	½ inch
	Rutabaga.....	C	150 feet	2 feet	6 inches	¼ inch
Watermelon		F	30 hills	8 feet	8 feet	1 inch

Vaughan's Vegetable Seeds

SYMBOL OF QUALITY

To guide home gardeners in selection of varieties to grow we mark with the symbol shown above those varieties which we consider to be superior under most conditions to other varieties of similar description and purpose.

New Beans Surpass Old in Yield and Quality

Artichokes

A-1 ARTICHOKE GREEN GLOBE. A perennial with edible blossoms that matures second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c; $\frac{1}{2}$ oz., 75c; oz., \$1.50.



Asparagus

Seed Planting. Seed will produce a crop in three years. One ounce produces 300 plants. Roots will produce a crop in two years.

Plant roots two feet apart in rows four feet apart.
 Roots (2 yrs. old) Doz. 100 1,000
MARY WASHINGTON \$1.00 \$3.75 \$32.00
 If by mail, add postage as follows: 100, 50c.

SEED

A-4 MARY WASHINGTON. Most recommended and a rust-proof strain.
 Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.10

A-5 PARADISE. Heavy yielding, producing crop in two years.
 Pkt., 15c; oz., 65c; $\frac{1}{4}$ lb., \$1.75

Edible Soy Beans



Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

B-3 BANSEL. 90 Days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow.

Pkt., 15c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c; 2 lbs., 95c
 Improved germination and vigor of growth in beans is induced by inoculating the seeds with Nitragin. Garden size 15c, sufficient to treat 6 lbs. of peas, beans, lima beans and sweet peas. Easy to apply. 3 packets for 40c



TOPCROP



TENDERGREEN

QUALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, due to superior stringlessness and less fiber. Flat pod varieties rate high in yield and flavor.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

Round-Pod Bush Beans

B-23 CONTENDER. 49 Days. ☒ An excellent 1950 introduction of the late Dr. B. L. Wade. Undoubtedly the finest early home garden bush bean and perhaps the best of all sorts. Resistant to common bean mosaic and greasy pod. Pkt., 25c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.45; 5 lbs., \$3.50. See novelty page 6.

B-1 WADE. 55 Days. ☒ All America Gold Medal, 1952. Supreme quality combined with heavy yield won the top award for this new variety, which experts consider the finest all-purpose greenpod bush bean yet developed. Pkt., 25c; $\frac{1}{2}$ lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

B-13 TOPCROP. 50 Days. ☒ All America Gold Medal 1950. Until the introduction of the new variety Wade, this was unsurpassed for a combination of quality, yield and disease resistance. Compared with Wade it is not as dark a color, and the pods mature faster, giving a shorter period of top quality. It outyields Wade under most conditions. Pkt., 25c; $\frac{1}{2}$ lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

B-40 TENDERGREEN. 52 Days. Good sized bush bearing long round pods of medium green color. The pods are straight and stringless and average 6 in. long and $\frac{3}{8}$ in. through. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

Flat-Pod Bush Beans

B-5 BOUNTIFUL. 49 Days. The earliest flat pod variety and extremely popular in the home garden. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-38 STREAMLINER. 55 Days. This is among the most productive of the bush types. The plants bear 7 in. long, $\frac{1}{2}$ to $\frac{3}{8}$ in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-16 GIANT STRINGLESS GREEN POD. 53 Days. Stringless, tender, good flavor, good canner and home garden sort. Does best in heavy soil. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-39 STRINGLESS GREEN POD. (Landreth Stringless). 50 Days. Medium sized bush, productive, bearing long, round pods of good color. Stringless fleshy and nearly straight. Does best in heavy clay soil. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-4 BLACK VALENTINE STRINGLESS. 52 Days. Medium sized bush bearing fine long round, stringless, attractive uniform pods. Excellent shipper and selected by many market gardeners as the best quality early skipper. Does best in heavy soil. Pkt., 15c; $\frac{1}{2}$ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



B-10 WAX-POD BEAN CHEROKEE. Pkt. 15c.

Top Wax-Pod Bush Beans

B-10 CHEROKEE. 53 Days. [✓] Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-17 GOLDEN BOUNTIFUL WAX. 53 Days. Plants large and very productive. Pods deep yellow, wide, thick, flat, fleshy and stringless. Seed purplish black. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-29 PENCIL POD WAX. 55 Days. Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, ½ in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-35 ROUND POD KIDNEY WAX (Brittle Wax). 55 Days. Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ¾ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white, blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-41 TOP NOTCH GOLDEN WAX. 52 Days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long, ½ inch wide. Seed solid white with brown eye. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

POLE BEANS

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills.

B-11 BLUE COCO POLE BEAN. 65 Days. [✓] World famous quality bean. A blue potted pole bean that turns green when cooked. An excellent grower that bears all season. Pkt., 25c; ½ lb., 65c; lb., \$1.15

B-21 KENTUCKY WONDER OR OLD HOMESTEAD. 65 Days. [✓] The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-22 KENTUCKY WONDER WAX. 65 Days. Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-44 BURGER'S STRINGLESS OR WHITE SEEDED KENTUCKY WONDER. 63 Days. Popular because adapted to freezing and stringless. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-25 LAZY WIFE OR WHITE CRANBERRY. 74 Days. Fine for snap or green shell beans. Also a good dry shelled bean. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-36 SCARLET RUNNER. 65 Days. Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-48 YARD LONG OR ASPARAGUS BEAN. 70 Days. Bears a long, round pod of 18 to 28 inches long, ¼ inch in diameter, light green, nearly round, fleshy, good quality when young. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

SHELL BEANS

B-9 DWARF HORTICULTURAL (Speckled Cranberry). Plant medium size, fairly productive. 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, ¾ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-12 ENGLISH BROAD WINDSOR. 80-90 Days. Stalks tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-32 RED KIDNEY. 95 Days. Plant is large, vigorous. Pods 5 inch long, ½ in. broad. Dark green, oval, flat, stringy, tough. Seed dark, reddish brown. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-45 WHITE KIDNEY. 100 Days. For dry shell use only. Pods 5½ in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-46 WHITE MARROW. 100 Days. Plant large with semi-runners, hardy. Pods 5 in. long, ½ in. in diameter. Seed white, oval, short. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

COMMERCIAL BEANS

B-19 GREAT NORTHERN. 90 Days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown. Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., \$1.35; 5 lbs., \$3.25.

B-28 MICHELITE. 95 Days. White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans. Pkt., 15c; ½ lb., 45c; lb., 80c; 2 lbs., \$1.35; 5 lbs., \$3.25.

Luxury Limas

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

BUSH

B-31 TRIUMPH. 72 Days. All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-15 FORDHOOK No. 242. 73 Days. [✓] We recommend this variety in preference to Fordhook Bush, which it resembles in size and quality, but which it will outyield under adverse conditions. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-14 FORDHOOK BUSH. 75 Days. Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

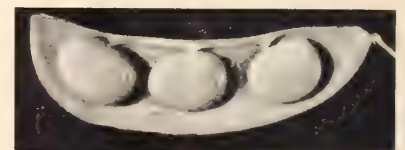


BABY FORDHOOK. Pkt., 15c

B-2 BABY FORDHOOK. 70 Days. Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-6 BURPEE'S IMPROVED BUSH. 75 Days. Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seeds. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

B-7 CANGREEN. 65 Days. A new green seeded Henderson type of lima well adapted for freezing. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



USDA 2 Henderson. Pkt., 15c

B-42 USDA No. 2 HENDERSON. 65 Days. Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

POLE

Packet plants, 15 hills; lb., 100 hills.

B-24 KING OF THE GARDEN. 88 Days. Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality. Pkt., 15c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

S-437 NITRAGIN

Inoculate Your Beans and Peas

The roots of legumes, which include peas and beans, are the hosts of bacteria which secrete nitrogen from the air. This is concentrated in nodules on the roots. The nitrogen becomes available to the soil, and stimulates the growth of the plant. This process is speeded up by applying a bacterial culture to the seed before planting. Nitragin is the original legume inoculation culture. S-437 Garden Size for beans, peas, sweet peas, lima beans and lupines. Pkt. 15c, postpaid 20c. Each packet treats 6 lbs. of seed.

ROSES FOR EVERY GARDEN. By R. C. Allen. An informing "must" for every real rose lover! Explains every detail of successful rose culture, with a thorough resume of Bush and Climbing Roses, news of hybrid teas and floribundas. The Secretary of the American Rose Society gives you complete information on First Plantings, Soil, Care, Pruning, Propagation, Hybridization, and Exhibiting. First book honored as a selection of the National Council of State Garden Clubs, Inc. Contains numerous helpful, "how-to" drawings, 32 illustrations IN COLOR! 218 pages. \$4.15 Postpaid.

Table Quality Beets



B-77 BEET PERFECTED DETROIT. Pkt., 15c; ½ oz., 25c

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

B-78 FIRE BALL. 55 Days. A dark blood red beet that is almost completely free of zonation. A very nice sort for an early planting. The roots are a smooth globe shape like Detroit but do not grow as large. See page 7. Pkt., 25c; ½ oz., 35c; oz., 55c; ¼ lb., \$1.25

B-77 PERFECTED DETROIT. 55 Days. In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are green tinged with red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-76 DETROIT DARK RED. 55 Days. A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-75 CROSBY'S EGYPTIAN. 50 Days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent in table quality. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-82 LONG DARK BLOOD. 75 Days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender in storage. A fine winter keeper that is superior for pickles. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-79 LONG SEASON (Winter Keeper). 75 Days. A home garden favorite, tender and sweet at any stage of growth, and keeps all winter. Perhaps best table quality variety. Matures slowly. Pkt., 25c; ½ oz., 35c; oz., 55c; ¼ lb., \$1.25

B-80 GREEN TOP BUNCHING. 55 Days. An early extremely attractive bunching beet that we recommend as a top all purpose beet. Tops medium. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

B-81 IMPROVED EARLY EGYPTIAN. 45 Days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c

Sugar Beets

B-93 KLEIN-WANZLEBEN. 100 Days. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25

Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home

production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 MAMMOTH LONG RED. 110 Days. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25

B-87 GOLDEN TANKARD. 110 Days. A suitable yellow sort. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25



C-99 COLLARD CABBAGING. Pkt., 15c; oz., 35c

Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. In the south collards are extensively grown instead of cabbage. In northern home gardens they will supply a larger quantity of edible leaves than cabbage for the space occupied.

C-99 CABBAGING. 75 Days. A desirable type producing rather compact plants 1½-2 feet high. Large loose clusters of leaves which often tend to head. Pkt., 15c; oz., 35c; ¼ lb., \$1.05

C-100 GEORGIA. 75 Days. Non heading and very generally grown for greens in the south. Plant 2-3 feet tall, erect, spreading. Pkt., 15c; oz., 35c; ¼ lb., \$1.05



Green Broccoli

BROCCOLI is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 DE CICCO. 60 Days. The earliest strain of broccoli available. It matures about 10 days earlier than the regular, which permits a partial harvest before the hot weather slows growth. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50

B-95 ITALIAN GREEN SPROUTING. 70 Days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.65

Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually a fall crop, sown in June.

B-98 IMPROVED DWARF. 80 Days. Grows 18 to 30 inches high producing compact sprouts, 1 to 2 inches in diameter; grayish green in color. Hardy, early. Pkt., 15c; ½ oz., 50c; oz., 95c

B-99 LONG ISLAND IMPROVED. 90 Days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1¼-1½ in. diameter which mature in succession. Pkt., 15c; ½ oz., 50c; oz., 95c



BRUSSELS SPROUTS

Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Cabbage Culture: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

HYBRID CABBAGE

C-18 O-5 CROSS. 70 Days. Honorable Mention All America trials 1951. This first F1 hybrid cabbage to be introduced was bred by a method requiring no hand pollination. Its chief merits are huge size, high quality and extreme vigor. The heads weigh up to 10 pounds, are solid, low growing, short stemmed, with bluish outer leaves and a light green interior. Pkt., 35c

Yellows Resistant Varieties

C-13 EARLY RESISTANT DETROIT. (A Golden Acre Type). 63 Days. An excellent round head resistant early cabbage. It will produce good crops on "yellow" sick soil where regular Golden Acre cannot do well and is only a couple of days later. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-1 BUGNER. 100 Days. A winter variety most popular in the Chicago area. Our strain has been selected for resistant qualities many years. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-10 GLOBE. 75 Days. A resistant Glory of Enkhousen of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25



C-15 CABBAGE JERSEY QUEEN
Pkt., 15c, ½ oz., 45c

C-15 JERSEY QUEEN. 60 Days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. One of the earliest resistant strains to mature and is recommended to the home gardener. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-16 MARION MARKET. 75 Days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early or uniform but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-24 WISCONSIN ALL HEAD EARLY. 80 Days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-25 WISCONSIN ALL SEASONS. 90 Days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-28 WISCONSIN BALLHEAD. 100 Days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-5 WISCONSIN COPENHAGEN. 68 Days. A new introduction of a resistant Copenhagen strain that bears large heads early with a lighter color than Racine Market. This variety will also stand in the field a long time without bursting. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25



C-18 O-5 HYBRID CABBAGE. Pkt., 35c

C-30 RACINE MARKET. 64 Days. Large, round headed uniform cabbage of Golden Acre type with characteristic blue green color. Will remain in field longer than other early cabbage without splitting. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

STANDARD CABBAGES

C-4 COPENHAGEN MARKET EXTRA EARLY. 65 Days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-9 EARLY JERSEY WAKEFIELD. 62 Days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-11 GOLDEN ACRE. 60 Days. The earliest round headed cabbage; especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting; the stem short and heads uniformly round and firm. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-31 GOLDEN ACRE. (AH45). The earliest strain of Golden Acre Cabbage yet introduced. Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.50

C-6 DANISH BALLHEAD SHORT STEM. (Dwarf Amager). 105 Days. Heads large, flattened globe shape; very firm and solid; keep very well in storage. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-21 PENN STATE BALLHEAD. 105 Days. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-23 PREMIUM FLAT DUTCH. 110 Days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

Here's Table Quality in Cabbage

C-3 CHIEFTAIN SAVOY. 88 Days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, but does not keep as well. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25



C-16 CABBAGE YELLOW RESISTANT MARION MARKET. Pkt., 15c; ½ oz., 45c

Red Cabbage

Valued for Distinctive Flavor

C-14 RED ACRE. 75 Days. An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-17 MAMMOTH ROCK RED. (Long Island Strain). 100 Days. The hardest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25

C-22 RED YELLOWS RESISTANT. 100 Days. Not as large as Mammoth Rock Red, but darker and more uniform color. CROP FAILURE



PAOTING. Pkt., 15c

CHIH LI. Pkt., 15c

Chinese Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

C-26 CELERY CABBAGE MICHIHLI. 90 Days. The most uniform strain of Chinese cabbage. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-20 CELERY CABBAGE CHIH LI. 70 Days. From seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in center with tips green. Makes delicious salad raw and has delicate cabbage flavor cooked without odor. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

C-19 CELERY CABBAGE PAOTING. 80 Days. Genuine "Wong Bok" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese Cabbages. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00

Celeriac

TURNIP ROOTED CELERY

COOKED and prepared as a salad, or used to flavor meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing enclosed upon request.

C-84 LARGE SMOOTH PRAGUE. About 110 Days. A main crop variety. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.75

Slender, Tender Carrots



C-51 CARROT, TOUCHON. Pkt., 20c

C-47 NANTES HALF LONG SCARLET. 70 Days. ☒ An early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-42 GUERANDE OR OXHEART. 70 Days. Of rapid growth, often attaining a weight of ½ pound. It has a good flavor and is tender. A second early. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-44 IMPERATOR. 77 Days. Has roots 7 to 8 inches long, slightly tapering and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

CARROTS FOR STOCK

C-46 IMPROVED LONG ORANGE. 88 Days. A good keeper of fine quality for winter stock feeding. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-52 SELECT DANVERS. (Red Core). 75 Days. A half-long type, blunt point. Greater yield than any other. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95



EASY BLANCHING FULL HEART. Pkt., 20c

Green Celery Best for Vitamins

START the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

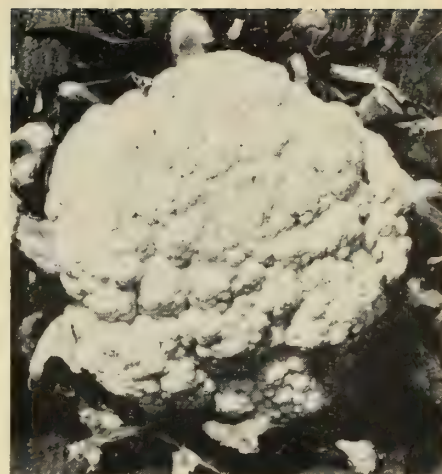
GREEN

C-72 EASY BLANCHING FULL HEART. 110 Days. ☒ An early variety of erect, compact growth, blanching easily. Stalk is medium large and solid, crisp with no fiber and excellent flavor. Good winter keeper. Recommended for early storage for hearts. A very fine home garden type. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-86 SUMMER PASCAL. 120 Days. One of the most popular green varieties, used without bleaching. Recommended for home and nearby markets, but is too tender and brittle to stand long distance shipping. Resistant to blight. Stalks are long, solid, crisp, stringless and of excellent quality. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-80 UTAH PASCAL. (Salt Lake). 125 Days. A green variety recommended for fall use, maturing earlier than Giant Pascal. Stems thick, solid, broad rounded and of fine quality. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-74 GIANT PASCAL. 135 Days. A tall late green celery of excellent quality. Leaf stalks round, thick and solid. A very fine variety for fall and winter use. Pkt., 20c; ½ oz., 65c; oz., \$1.00



C-66 CAULIFLOWER IDEAL. Pkt., 50c

Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right. When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

C-67 EARLY PURPLE HEAD CAULIFLOWER.

80 Days. ☒ A very large heading purple colored cauliflower that turns green when cooked. It resembles broccoli in flavor but is even more delicious. It is perfect for quick freezing. Very easy to grow and from plants set out in June will begin to head in September. Many people who do not care for ordinary cauliflower class this variety as one of their favorite vegetables.

It is not necessary to tie the plant leaves up as the heads are not bleached. See page 7. Pkt., 25c; ¼ oz., 95c; ½ oz., \$1.80; oz., \$3.00

C-66 IDEAL. 65 Days. ☒ All American winner 1949. An excellent Swiss bred variety that appears adapted to almost any section. This variety possesses great vigor and is very sure to head. Pkt., 50c; ¼ oz., \$1.50; ½ oz., \$2.85

C-65 VAUGHAN'S SELECT SNOWBALL. 55 Days. ☒ Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching. Pkt., 40c; ¼ oz., \$1.25; ½ oz., \$2.25

C-64 VAUGHAN'S NEW SNOWBALL. 60 Days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier yielding than Select. Pkt., 30c; ¼ oz., \$1.15; ½ oz., \$1.95

C-61 AUTUMN GIANT. 80 Days. A large heading late fall sort not recommended for northern districts. Pkt., 25c; ¼ oz., 50c; ½ oz., \$1.00; oz., \$2.00

YELLOW

C-75 GOLDEN DETROIT. 90 Days. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 20c; ½ oz., 65c; oz., \$1.00

C-79 MICHIGAN GOLDEN. 100 Days. Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., \$1.25; oz., \$2.35

GOLDEN SELF BLANCHING. 115 Days. ☒ Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 TALL STRAIN. Pkt., 20c; ½ oz., 85c; oz., \$1.50

C-77 DWARF STRAIN. Pkt., 20c; ½ oz., 85c; oz., \$1.50

C-76 GOLDEN PLUME. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Pkt., 20c; ½ oz., 85c; oz., \$1.50

Vaughan's Seed Company 61

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

C-43 IMPERIDA. 77 Days. A recent introduction with a long slender root and a short strong top. The roots are a deep orange and from 7 to 8" long. Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.25

C-49 SWEETHEART. 70 Days. See page 7. ☒ A very fine strain of Nantes type. The top is short and the root is a bright orange with the least core of any variety grown. Pkt., 20c; ½ oz., 40c; oz., 70c ¼ lb., \$1.95

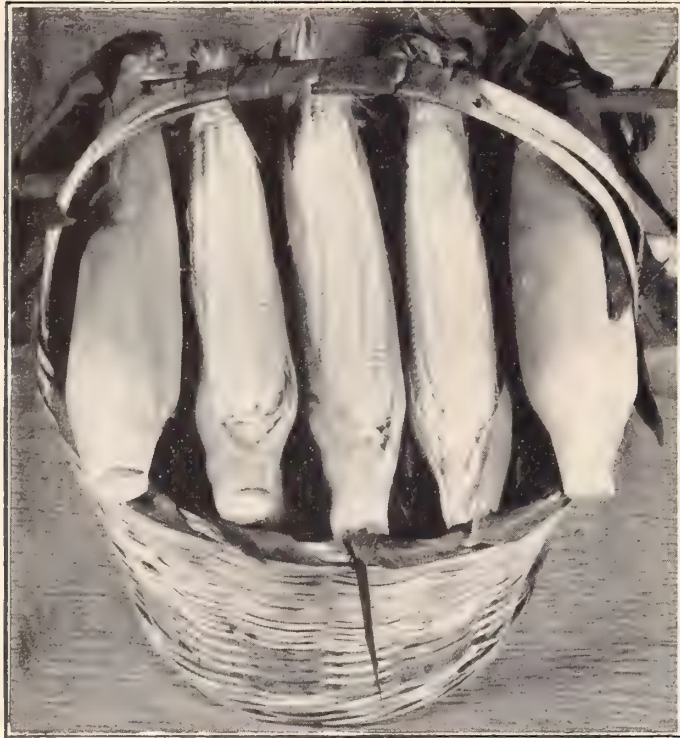
C-51 TOUCHON. 70 Days. ☒ From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-48 RED HEART. (Red Core Chantenay). 70 Days. It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for bunching. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-50 TABLE QUEEN. 70 Days. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

C-45 IMPROVED CHANTENAY. 75 Days. A strain of Early Chantenay which resembles the original type in most respects except that it averages ½ to 2 inches longer and has sloping shoulders. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.95

Although carrots stand crowding in the row better than most plants they always need thinning out. If sown thinly, this can be done when the roots are as large as your little finger. At this stage they make a delicious dish.



C-108. HYBRID SWEET CORN GOLDEN CROSS BANTAM.
Pkt., 20c; ½ lb., 55c; lb., 95c.

FOR HARVEST ALL SUMMER SOW

OUR NEW HYBRID SWEET CORN TEAM

FOR 1955 we have selected two new hybrids for inclusion in the team. Both Boquet and Golden Security are outstanding for quality in their respective seasons.

Our hybrid sweet corn team consists of Our Choice, 68 days, Boquet, 75 days, Golden Cross, 79 days, Golden Security 85 days. Plant all four at the same time to insure an all season harvest. 2 oz. of each variety in separate packets totaling ½ lb. 75c (Value 85c).

POP CORN

- C-135 ILLINOIS HULLESS.** 100 Days. ☒ The finest quality pop corn available. The kernels pop to over 35 times their original size and are a snowy white color completely without hulls.
- SEED PROCESSED FOR SEEDING.** Pkt., 25c
½ lb., 50c; lb., 90c; 2 lbs., \$1.65; 5 lbs., \$4.25
- SEED PROCESSED FOR POPPING.** ½ lb., 40c;
lb., 65c; 2 lbs., \$1.15; 5 lbs., \$2.85
- C-138 SOUTH AMERICAN.** 110 Days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c;
½ lb., 35c; lb., 60c; 5 lbs., \$2.50
- C-139 SOUTH AMERICAN HYBRID.** Pkt., 25c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.25.
- C-141 WHITE RICE.** Pkt., 15c;
½ lb., 35c; lb., 60c; 5 lbs., \$2.50
- C-136 JAPANESE HULLESS.** Pkt., 15c;
½ lb., 35c; lb., 60c; 5 lbs., \$2.50
- C-137 JAPANESE HULLESS HYBRID.** Pkt., 25c; ½ lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.25

NON-HYBRID

- C-106 EXTRA EARLY GOLDEN BANTAM.** 78 Days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-114 IMPROVED GOLDEN BANTAM.** 85 Days. 10 to 14-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-107 GOLDEN BANTAM.** 83 Days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance. We offer the finest obtainable. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-105 EARLY GOLDEN SWEET.** Matures in about 68 Days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-124 BANTAM EVERGREEN.** 90 Days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-112 GOLDEN 60 DAY.** 68 Days. It is bred from 60-Day White crossed with Golden Bantam. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-123 BLACK MEXICAN.** 85 Days. Selected for high sugar qualities. Ears 8 rowed, 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50.

NON-HYBRID WHITE

- C-113 HOWLING MOB.** 83 Days. A large-eared fine second early. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-104 EARLY EVERGREEN.** 94 Days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50.
- C-102 COUNTRY GENTLEMAN.** About 95 Days. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50
- C-120 STOWELL'S EVERGREEN.** 95 Days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c;
½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$4.50; \$4.70 Postpaid

Newest Sweet Corn Hybrids

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved in our trials.

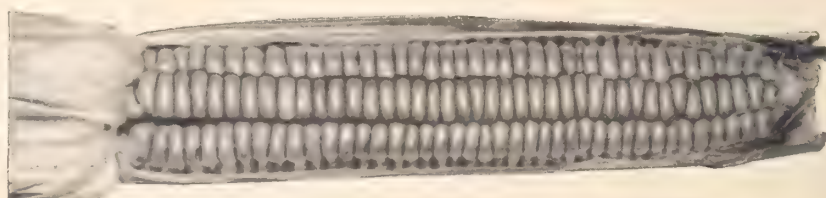
A packet plants 40 hills; a pound, 400 hills; 12 lbs., an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

HYBRID

- C-128 GOLDEN BEAUTY.** Silver Medal All America winner 1955. See page 6. Pkt., 25c;
½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00
- C-101 BOQUET.** 75 Days. ☒ An exceptionally sweet hybrid. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00.
- C-111 IOCHIEF.** 83 Days. All America winner 1951. An outstanding new sweet corn introduction. A fine home garden late variety that is suited to freezing or canning. Pkt., 20c;
½ lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50
- C-108 GOLDEN CROSS BANTAM.** 79 Days. ☒ Being equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7½ to 8 inches and has 12 to 14 rows of kernels. Pkt., 20c;
½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25
- C-118 GOLDEN HARVEST.** 82 Days. ☒ A new variety similar to Golden Cross with the improved white inner silk. Pkt., 25c;
½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00
- C-122 SURPRISE.** (Improved Spangcross). 64 Days. 10 to 12 rows, golden yellow, ears 6 to 6½ inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c;
½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-127 GOLDEN ROCKET.** 65 Days. A fine very early sweet corn. Eight inch ears with 12 rows of kernels that are borne on 6 ft. stalks. Pkt., 15c;
½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00

- C-119 OUR CHOICE.** 68 Days. ☒ This variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 10-14 row ear. Pkt., 15c;
½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-116 LEE.** 73 Days. A second early, bearing large ears, very sweet and heavy yielding. Pkt., 15c;
½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-129 IMPROVED CARMELCROSS.** 75 Days. ☒ A recent introduction that has become the most popular of the second earlies or the early corns that bear large ears. Some claim this variety has the finest flavor of all. A definite improvement over the old Marcross 39. Pkt., 15c;
½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-115 IOANA.** 83 Days. Productive variety, highly resistant to draught and wilt. Ears 7½ to 8 inches long, 12-14 rowed. Pkt., 15c;
½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00
- C-103 COUNTRY GENTLEMAN HYBRID.** 99 Days. Like Country Gentleman except heavy yielder. Set solid with irregular rows of kernels. These are white, shoe-peg form, very deep; sweet and tender. Pkt., 15c;
½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25
- C-121 STOWELL'S HYBRID.** A large stalked late white. Pkt., 15c;
½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25
- C-126 CREAM-O-GOLD.** 85 Days. ☒ The ears are a delicious creamy yellow, 8 to 9 inches long and set with 8 or 10 rows of lusciously sweet kernels. Cream-O-Gold has excellent table quality and is ideally suited to quick freezing. The cob is not much thicker than a lead pencil so that the kernels are extra deep. Pkt., 35c; 2 pkts., 65c; ½ lb., \$1.00; lb., \$1.85

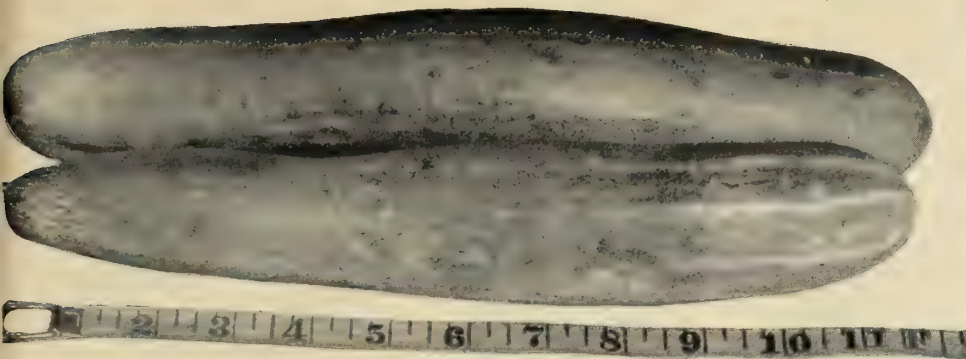


MIDGET CORN FOR SMALL GARDENS

- C-125 GOLDEN MIDGET HYBRID.** 68 Days. ☒ A new F1 hybrid, sweet corn for the small home garden. Pkt., 50c

- C-110 GOLDEN MIDGET.** 70 Days. On stalks 2½ to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for flavor. Pkt., (2 oz.), 35c

Home Garden Cucumbers



C-170 CUCUMBER MANDARIN. Pkt., 25c

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Sow in hills three to six feet apart; six seeds 1½ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

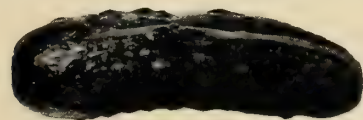
C-174 THE VAUGHAN HYBRID. 65 Days. ☒ A mosaic resistant long dark green and slender cucumber. Ideal for market or home. See Novelty page 6. Pkt., 25c (30 seeds); ½ oz., \$2.75; oz., \$5.00

C-171 MARKETER. 65 Days. ☒ A variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and 2¼ inches in diameter. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-170 MANDARIN. 45 Days. ☒ Earliest of all. One of the best cucumbers for the home garden. Has proved to be resistant to the blight, due to its Chinese ancestry. By letting the vines climb a trellis or fence, it bears for a long season; two plantings 20 days apart, will furnish the table with salad cucumbers all summer. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00

C-160 A & C (Colorado). 68 Days. A beautifully, long, slender, dark green cucumber of excellent shape and intense dark color. Fruit is inclined to taper, especially at stem end. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-162 DAVIS PERFECT. 65 Days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 15c; oz., 45c; ¼ lb., \$1.25



PICKLING CUCUMBERS

C-166 QUICK GROW. 50 Days. An outstanding introduction of ours that matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and often-times will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-183 CHICAGO WESTERFIELD. 58 Days. ☒ Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-173 NATIONAL. 54 Days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-165 BOSTON PICKLING. (Green Prolific). 58 Days. Smooth, symmetrical pickle, very early and productive. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-169 JAPANESE CLIMBING. 68 Days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-164 YORK STATE. 58 Days. ☒ A new mosaic resistant pickle bred by Dr. H. Munger of Cornell University. Pkt., 25c; oz., 65c; ¼ lb., \$2.00

C-182 WISCONSIN NO. 6. 54 days. A new National type of pickle with resistance to spot rot. A great boon to growers in Wisconsin, Michigan and Illinois. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00.

THE BOOK OF PERENNIALS

By Alfred C. Hottes. Contents: The Perennial Gardens; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth. \$2.75; \$2.95 Postpaid.

C-180 THE VAUGHAN. 74 Days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-179 STRAIGHT EIGHT. 62 Days. A white spine which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-172 MINCU. 45 Days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-168 IMPROVED LONG GREEN. 68 Days. Used for yellow chunk pickles. The fruit (12 in. long) has a distinctive flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

C-181 ARLINGTON WHITE SPINE. 62 Days. A heavy yielder, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

Cardoon

C-41 The main stalks are blanched like celery; used for salad or in soups. Pkt., 15c; ½ oz., 65c; oz., \$1.25; ¼ lb., \$3.50

Chicory

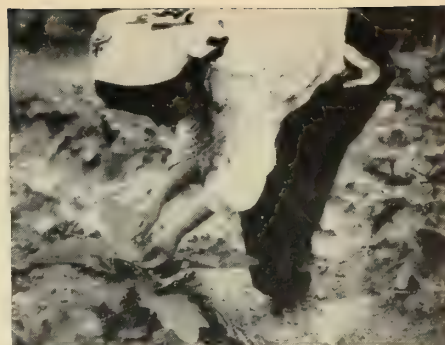
C-97 WITLOOF (French Endive). 150 Days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 15c; ½ oz., 40c; oz., 65c

C-96 LARGE ROOTED MAGDEBURG. 65 Days. Roots may be cut in thick slices, roasted and used as a coffee substitute; in spring leaves make good salad. Pkt., 15c; ½ oz., 40c; oz., 65c

C-95 ASPARAGUS CHICORY. 55 Days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; ½ oz., 40c; oz., 65c

Chervil

C-93 CHERVIL. 70 Days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 15c; oz., 30c; ¼ lb., 75c



HAND-POLLINATING EGG PLANT IN JAPAN

Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

E-12 VAUGHAN'S HYBRID. 85 Days. ☒ A true hybrid introduced by us in 1951, which has met with great success. This variety produces a tremendous crop of very large fruits. The fruit are extremely dark. Pkt., 35c.



BLACK BEAUTY

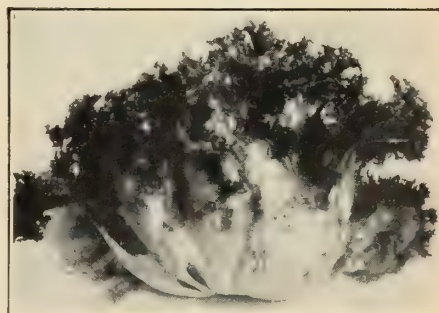
E-10 BLACK BEAUTY. 80 Days.

Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65

E-13 IMPROVED NEW YORK PURPLE. 83 Days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are large, satiny smooth, rich purple. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65

E-11 FLORIDA HIGH BUSH. 85 Days. Plants are well branched, hardy, and disease resistant. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.65

Endive



E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; ¼ lb., 80c

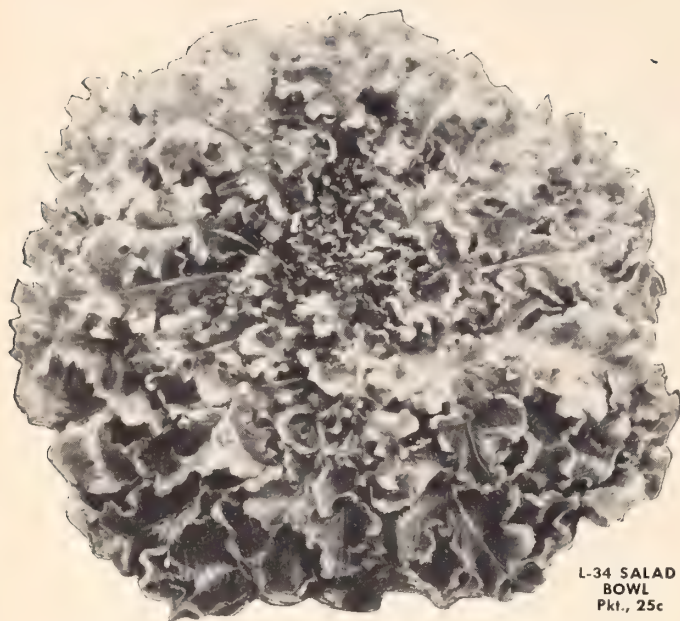
E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. (Florida Full Heart). 90 Days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-5 GREEN CURLED. 90 Days. Standard variety for fall and winter. When centers are blanched, it is most beautiful. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-6 MOSS CURLED. Pkt., 15c; oz., 35c; ¼ lb., 80c

E-7 ROSE RIBBED CURLED. In 95 Days. Has leaf ribs of red. Pkt., 15c; oz., 35c; ¼ lb., 80c

Vaughan's Seed Company 63



L-34 SALAD BOWL
Pkt., 25c

L-16 LETTUCE
GREAT LAKES
Pkt., 20c.



Lettuce for Salads All Summer

SOW as soon as soil can be prepared, $\frac{1}{2}$ inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

LEAF LETTUCE

L-9 MATCHLESS LETTUCE. 55 Days. ☒ A distinct type that has an open loose head. Matchless has the quality of Bibb and it does not bolt and tolerates heat. It is superior for the home garden. If you have room for only one lettuce be sure that it is Matchless. See Novelty page 6.
Pkt., 25c; oz., \$1.00; $\frac{1}{4}$ lb. \$3.00

L-34 SALAD BOWL. 45 Days. Gold Medal Winner. All American 1952. A good quality new home garden lettuce.
Pkt., 25c; $\frac{1}{2}$ oz., 55c; oz., \$1.00

L-28 OAK LEAF. 40 Days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens.
Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c

L-7 BRONZE BEAUTY. 40 Days. Bronze medal 1946, All America trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze.
Pkt., 25c

L-5 BLACK SEEDED SIMPSON. Matures in about 46 Days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15

L-15 GRAND RAPIDS. 45 Days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15

L-14 GRAND RAPIDS RESISTANT. Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids.
Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.40

L-11 EARLY CURLED SIMPSON. (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15

L-30 PRIZEHEAD. 47 Days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green.
Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25

HEAD LETTUCE

L-6 BIBB (LIMESTONE). 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels.
Pkt., 20c; $\frac{1}{2}$ oz., 30c; oz., 50c

L-18 ICEBERG. 84 Days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg.
Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.20

L-8 CALIFORNIA CREAM BUTTER. 75 Days. One of the best summer varieties, large solid heads, buttery flavor.
Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 85c

L-10 CRISP AS ICE. 74 Days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather.
Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25

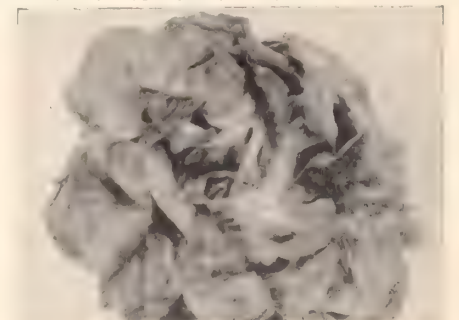
L-23 MAY KING. 63 Days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

L-31 BIG BOSTON. 75 Days. Large heads of bright green leaves, very tender.
Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 75c

CALIFORNIA TYPE

L-32 PENNLAKE. 75 Days. An All American winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25

L-16 GREAT LAKES. 75 Days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25



L-6 LETTUCE BIBB. Pkt., 20c.

CALIFORNIA TYPE—Continued

L-20 IMPERIAL No. 456. 80 Days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August.
Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25

L-19 IMPERIAL No. 44. 82 Days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled.
Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.45

ROMAINE OR COS LETTUCE

This type of lettuce forms upright loose folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

L-12 EXPRESS COS. In 70 Days. A Vaughan introduction. The most dwarf and earliest of all, leaves dark green. Delicious flavor. Self-closing.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

L-29 PARIS WHITE OR TRIANON. In 75 Days. Grows to large size. Self-closing.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

FAST GROWING FOR POULTRY

L-25 CHICKEN LETTUCE. About 48 Days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again.
Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00

Other Salad Leaves

C-155 WATER CRESS (TRUE WATER). A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water.
Pkt., 25c.

C-154 UPLAND CRESS. 50 Days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad.
Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.15

C-153 CURLED GARDEN CRESS. 50 Days. Used with lettuce it adds an agreeable pungency.
Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.15

C-151 CORN SALAD. 45 Days. (Fetticus or Lamb's Lettuce). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall.
Pkt., 15c; oz., 75c; $\frac{1}{4}$ lb., \$1.75

Dandelion

D-1 THICK LEAF OR CABBAGE VARIETY. Cultivated for spring greens and salads. Unlike common sorts, almost double usual size.
Pkt., 15c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75

Fennocchio

H-22 FENNEL FLORENCE. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces.
Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c

Cantaloupe

IN NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of turf, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking.

Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½ inches deep to a hill, thinning out to 3 plants.

Orange Fleshed Varieties

M-17 PRIDE OF WISCONSIN. 85 days. Similar in size and shape to Honey Rock. Oval in shape with tough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-15 MILWAUKEE MARKET. 80 Days. Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-12 HONEY ROCK (or Sugar Rock). 85 Days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-6 BENDER'S SURPRISE. (Delicious) 85 Days. Large thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-14 IROQUOIS. 90 Days. Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6½ inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity. Pkt., 25c; oz., 55c; ¼ lb., \$1.55

M-19 SCHOON'S HARDSHELL. (New Yorker) 95 Days. A high quality melon with an extra hard shell which makes it fine for shipping. This is the type grown by most of the market gardeners in the Chicago area. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-5 BANANA. 98 Days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

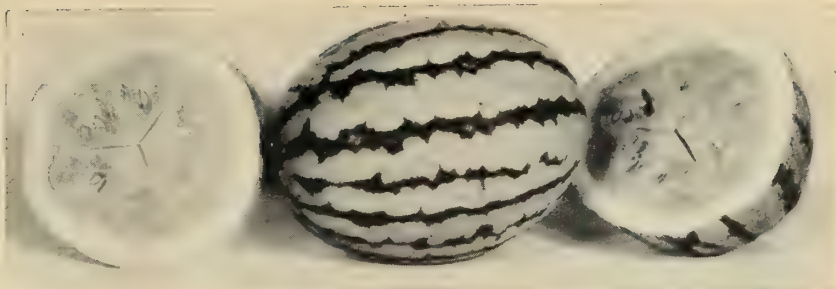
M-21 TIP TOP. 96 Days. It is yellow-fleshed, sweet, juicy, of finest flavor. A strong grower and yielder. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-10 HEARTS OF GOLD. 80 Days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

Green Fleshed Varieties

M-18 ROCKY FORD OR NETTED GEM. 95 Days. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting. Pkt., 15c; oz., 45c; ¼ lb., \$1.35

M-11 HONEY DEW. 110 Days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well. Pkt., 15c; oz., 45c; ¼ lb., \$1.35



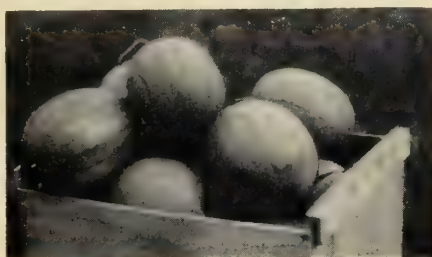
HYBRID DIXIE QUEEN. Pkt., 25c.

Watermelons That Ripen Early

WATERMELONS may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

M-44 RHODE ISLAND RED. 79 Days. A delicious new ice box type of watermelon developed by Dr. Desmond Dolan of the Rhode Island Experiment Station for more northern areas. Extra sweetness, real watermelon flavor, earliness and ideal size are virtues of this cross between Dixie Queen and Honey Cream. See Novelty page 7. Pkt., 35c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.20



WATERMELON NEW HAMPSHIRE MIDGET Pkt., 25c

M-48 NEW HAMPSHIRE MIDGET. 75 Days. A small very early home garden All America 1950 winner. Pkt., 25c; oz., 60c; ¼ lb., \$1.75

M-50 CONGO WATERMELON. 90 Days. A new large anthracnose resistant melon. Congo seems destined to replace the Florida Giant as the top variety for shipping. This green striped melon has a bright red flesh that is exceptionally sweet. Pkt., 15c; oz., 60c; ¼ lb., \$1.75

M-40 HYBRID DIXIE QUEEN. 82 Days. Similar to regular Dixie Queen only a true F1 hybrid. The fruit are unusually sweet. Pkt., 25c



WILT RESISTANT MELON, IROQUOIS. Pkt., 25c

M-39 DIXIE QUEEN. 85 Days. A fine medium early home garden melon of excellent quality. Fruits nearly round, light green striped with darker green. Rind thin but tough, flesh a deep red, crisp and sweet. The seeds are white. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-49 STONE MOUNTAIN RESISTANT No. 5. 85 Days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blockie ends; dark green with indistinct veins; flesh bright red, crisp and sweet. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-38 COLE'S EARLY. (Harris Earliest). 80 Days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-47 EARLY KANSAS OR RED RUSSIAN. 85 Days. A distinctly early melon of large size and excellent quality. Fruits nearly round, a deep emerald green. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-41 FLORIDA GIANT (Black Diamond or Cannonball). 95 Days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-51 TOM WATSON. 92 Days. Fruits very large, oblong, cylindrical, symmetrical, flesh deep red, and sweet. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-43 ICE BOX. 78 Days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-45 WILT RESISTANT KLECKLEY'S No 6. 85 Days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-53 WINTER WATERMELON. 85 Days. Like Honey Dew in size and long-keeping qualities. Excellent flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-46 KLONDIKE RESISTANT No 7. 90 Days. Exterior color dark green, flesh very dark pink. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-35 BLACK LEE. 90 Days. A new Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-42 GOLDEN HONEY. 90 Days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

CITRON. 92 Days. For Preserves

M-37 RED SEEDED. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

M-36 GREEN SEEDED. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

THE COMPLETE BOOK OF AFRICAN VIOLETS By Helen Van Pelt Wilson. A brand new book with latest directions on how to make your violets bloom. How to water, feed and start new plants, check pests and disease, win show awards. 653 names and synonyms. 29 varieties in color. 256 pages. \$2.95. Postpaid \$3.15.

Garden Herbs



SWEET MARJORAM. Pkt., 20c.

H-20. MIXTURE OF ANNUAL HERB SEEDS.

PKT., 35c. This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.

H-21 MIXTURE OF PERENNIAL HERB SEEDS.

PKT., 35c. For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.

H-1 ANISE.

Used for garnishing, seasoning and for cordials. Pkt., 20c; ½ oz., 60c; oz., \$1.10

H-17 BASIL, SWEET, LARGE LEAVED.

The leaves are used for flavoring soups and stews. The flavor of the leaves is spicy and it is desirable for salads and dishes containing tomato and cheese, egg plant, squash, carrots, peas, meat and especially for meat substitutes, including beans and fish. Pkt., 20c; ½ oz., 60c; oz., \$1.10

H-3 BORAGE.

Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 20c; ½ oz., 65c; oz., \$1.20

H-4 CARAWAY.

Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 15c; ½ oz., 40c; oz., 70c

H-5 CATNIP.

Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 20c; ½ oz. 70c; oz., \$1.35

H-7 CORIANDER.

The seeds are used for flavoring. Pkt., 15c; ½ oz., 50c; oz., 95c

H-8 DILL.

Leaves are used in pickles and for flavoring soups and sauces, and to be sprinkled over meats. Pkt., 10c; oz., 30c; ¼ lb., 90c

H-12 LAVENDER VERA OR TRUE.

The best. Pkt., 25c; ½ oz., \$1.50; oz., \$2.75

H-13 ROSEMARY.

The fragrant leaves are used in sachets and pot pourris, also to flavor roasts and stews. Pkt., 20c; ½ oz., 70c; oz., \$1.35

H-14 SAFFRON (false).

Used for coloring dishes, also flavoring. Pkt., 20c; ½ oz., 60c; oz., \$1.10

H-16 SUMMER SAVORY.

The leaves and young shoots are used for flavoring. Much used as a flavoring for beans, and in salads, vegetables, stews and other dishes. Pkt., 20c; ½ oz., 50c; oz., 90c

H-15 SAGE.

A strongly flavored old-time favorite used in pork sausage and poultry seasoning. English Broad Leaf. Pkt., 20c; ½ oz., 70c; oz., \$1.35

H-9 SWEET FENNEL.

The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. It is said Fennel is to fish what Mint is to lamb. Pkt., 20c; ½ oz., 50c; oz., 90c

H-18 SWEET MARJORAM.

Tender perennial best treated as an annual. A favorite for flavoring soups, stews, salads, and meat dishes and sausage. Pkt., 20c; ½ oz., \$1.00; oz., \$1.90

H-19 THYME.

Used for seasoning meats, poultry, fish, cheese, eggs, soups, vegetables, stuffings and salads. A tea is also made for nervous headache. Pkt., 25c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.85

Garden Huckleberry

G-1 Well described by the above name, this bears racemes or bunches of dark berries, ½ inch in diameter, which makes preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 50c; oz., 90c

Storage Onions Are Best Grown from Seed

SOW with the earliest crops, in rich soil, in drills ½ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

WINTER KEEPERS

O-24 AUTUMN SPICE HYBRID. 105 Days.

✓A new hybrid in 1952. An excellent keeping Southport type onion with a beautiful dark skin. This variety will outyield the standard Southport types and matures earlier. The bulbs are extra hard and the flesh is pungent and a creamy white. Pkt., 35c; ½ oz., 85c; oz., \$1.50; ¼ lb., \$4.25.

O-10 GOLDEN GLOBE. 115 Days.

An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-19 SOUTHPORT YELLOW GLOBE. BALL TYPE. 110 Days.

Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-18 SOUTHPORT RED GLOBE. About 110 Days.

A perfect globe shape, deep red skin and tinted white, one of the best winter keepers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-13 "MOUNTAIN" DANVERS. 100 Days. Slightly smaller than Southport.

When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-14 LARGE RED WETHERSFIELD. About 100 Days.

Bulbs 2 to 2½ inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-9 FANCY YELLOW GLOBE DANVERS. About 110 Days.

Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-6 BRIGHAM YELLOW GLOBE. 110 Days.

A Southport Yellow Globe strain that is popular because of its excellent keeping and productive quality. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-20 SOUTHPORT WHITE GLOBE. About 110 Days.

A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00



ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c

SPANISH TYPE ONIONS

VALENCIA SWEET SPANISH (Utah Strain). 110 Days. A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise.

O-21 WHITE.

Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-22 YELLOW.

Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

RIVERSIDE SWEET SPANISH. 110 Days.

A California strain. When grown in southern California attains enormous size, 4 to 4½ pounds.

O-16 YELLOW.

Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-17 WHITE.

Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-15 PRIZETAKER. American Grown. 105 Days.

Same type as the large Spanish Onions. Globes large, globular and the skin is thin and a light shade of yellow. Flavor mild. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00



HYBRID SWEET SPANISH ONIONS
Harvested in Chicago area in August

FOR GREEN ONIONS

O-23 WHITE LISBON (Bunch Onion).

The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter top. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-11 HE-SHI-KO. 50 Days.

An early bunch onion, deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce green onions very early in the spring. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

Flat and Pickling Type

O-25 WHITE PORTUGAL OR SILVERSKIN. About 100 Days.

This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

O-8 EBENEZER. In 100 Days.

There is a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

BERMUDA TYPE

O-7 CRYSTAL WHITE WAX. In about 90 Days.

This is a pure white flat onion, very popular in the south, especially in Texas. Will make only small onions in the north from seed. Very sweet. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15 to May 20.

BERMUDA (for early green onions).

YELLOW SWEET SPANISH (for large onions).

Minimum order of 2 bunches \$1.00; ten bunches, \$4.25

HYBRID SWEET SPANISH (for exhibition onions).

See Novelty page 7.

Minimum order of 2 bunches \$1.25; ten bunches, \$5.00

Onion Sets Grow Quickly



WHITE

RED

YELLOW

VAUGHAN'S BOTTOM ONION SETS

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for producing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produced by some varieties of onions instead of seed, are onion bulbs artificially dwarfed by being sown thickly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Succession plantings can be made as long as the sets remain in good condition. For growing mature onions in home gardens we recommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Onion sets prices postpaid

O-32 WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. Minimum order, 2 lbs., \$1.00; 5 lbs., \$2.25; 10 lbs., \$4.00

O-34 YELLOW BOTTOMS. Fine dry sets, medium in order, 2 lbs., \$1.00; 5 lbs., \$2.25; 10 lbs., \$4.00

O-31 RED BOTTOMS. Bright, deep red in color, even and dry. Minimum order, 2 lbs., \$1.00; 5 lbs., \$2.25; 10 lbs., \$4.00

O-30 GOLDEN GLOBE. Large yellow globe. Very desirable as a large dry onion for the home gardener. A good keeper. Minimum order, 2 lbs., \$1.00; 5 lbs., \$2.25; 10 lbs., \$4.00

O-35 YELLOW MULTIPLIERS. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Minimum order, 2 lbs., \$1.50; 5 lbs., \$3.75; 10 lbs., \$6.50

ONIONS FOR STORAGE

O-36 HYBRID YELLOW GLOBE. Sets 2 lbs., \$1.50; 5 lbs., \$3.50; 10 lbs., \$6.00 See page 7.

Garlic Sets

G-2 SELECTED BAVARIAN. In about 110 Days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 75c; 10 lbs., \$6.00. Postage extra. Write for latest market prices on quantities.

Chives

C-98 A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender. Pkt., 15c; ½ oz., 45c; oz., 85c

Horseradish Sets

HORSE RADISH. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets. Doz., \$1.00; 100, \$5.50; 1,000, \$45.00



EGYPTIAN PERENNIAL SETS (Top Sets)

FOR FALL PLANTING

O-29 EGYPTIAN OR RED PERENNIAL. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop. Postpaid, 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$5.50



L-2 LEEK ELEPHANT. Pkt., 15c

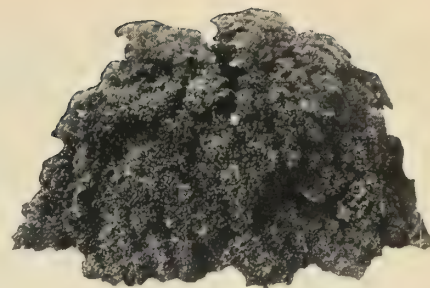
Leeks

LEEKS are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 Days.

L-2 ELEPHANT. Largest of all leeks. Pkt., 15c; ½ oz., 40c; oz., 65c

L-4 LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; ½ oz., 40c; oz., 65c

L-1 BROAD SCOTCH OR LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 15c; ½ oz., 40c; oz., 65c



P-30 PARSLEY, Champion Moss Curled. Pkt., 15c

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is one of the richest of green vegetables in vitamin A, and iron.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

P-30 CHAMPION MOSS CURLED. In about 70 Days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-34 EXTRA TRIPLE CURLED PARSLEY (Vaughan's XXX). 75 Days. Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-33 PLAIN OR ITALIAN. 72 Days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 15c; oz., 35c; ¼ lb., 75c

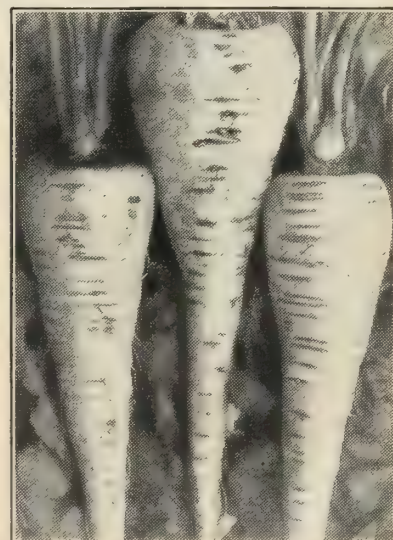
P-32 HAMBURG ROOTED. 90 Days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 15c; oz., 35c; ¼ lb., 75c

Parsnips

PARSNIPS may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

P-42 ALL AMERICAN (Marrowfat). 95 Days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner. Pkt., 15c; oz., 35c; ¼ lb., 75c

P-40 HOLLOW CROWN, LONG SMOOTH. About 95 Days. Tender and sugary; one of the best. Pkt., 15c; oz., 35c; ¼ lb., 75c



P-40 PARSNIP, HOLLOW CROWN. Pkt., 15c



P-11 LITTLE MARVEL PEA. Pkt., 15c

Sow Early for Success With Peas

PEAES are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

P-17 WANDO. 64 Days. ☒ A high quality heat resistant pea that is adapted to fall planting as well as spring. See Novelty page 6.

Pkt., 25c; ½ lb., 45c; 1 lb., 75c; 2 lbs., \$1.35

P-11 LITTLE MARVEL. 64 Days. ☒ The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-7 GIANT STRIDE. 74 Days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-12 NOTT'S EXCELSIOR. In 60 Days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 16 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-13 PREMIUM GEM. 60 Days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-10 LAXTON'S PROGRESS. 62 Days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-8 HUNDREDFOLD. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas, Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-5 DWARF TELEPHONE OR DAISY. About 76 Days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 8 to 10 peas of finest quality. This is a splendid variety, of which we offer a high-class reselected stock. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.



P-14 THOMAS LAXTON. Pkt., 15c.

S-437 NITRAGIN

Inoculate Your Beans and Peas

The roots of legumes, which include peas and beans, are the hosts of bacteria which secrete nitrogen from the air. This process is speeded up by applying Nitragin, the original legume inoculation culture. S-437 Garden Size for beans, peas, sweet peas, lima beans and lupines. Pkt. 15c, postpaid 20c. Each packet treats 6 lbs. of seed.

THE NEW BOOK OF LILIES. By Jan De Graaff. Sound information for amateur and commercial grower! The foremost expert on lilies shows how to grow them indoors, outdoors, for exhibition. A "must" for garden clubs, libraries, flower lovers! 17 lilies in color. 192 pages. \$3.50. \$3.70 Postpaid.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

P-9 IMPROVED TELEPHONE. 74 Days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

P-15 WORLD'S RECORD OR IMPROVED GRADUS. 57 Days. Gradus is the greatest of the wrinkled peas; it is large early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 8 or more rich, tender peas in each. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-14 THOMAS LAXTON. About 62 Days. ☒ The best pea for freezing. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

P-1 ALASKA—CALLED EARLIEST OF ALL. In about 57 Days. Alaska seed is bluish in color and smooth. This is the earliest pea to mature and is used extensively in Wisconsin for canning. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

EDIBLE POD PEAS

Cooked Like String Beans

P-4 DWARF GRAY SUGAR. About 65 Days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are: stringless, brittle and succulent. Pkt., 15c; ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

GARDEN GUIDE. By 28 Authors. This can easily be classed as the most popular general garden handbook ever published. It solves every problem that confronts the amateur gardener, from the laying out of his home grounds to the planting and upkeep of his flower, vegetable and fruit garden, his lawns, trees, shrubs, etc., and finally, the canning and preserving of the harvest. As one admirer of the Garden Guide testifies: "This book is the Moses of the garden. Mother uses it, Ethel uses it, I use it and all the neighbors use it. I think it is great." 576 pages and 300 illustrations. \$3.70 postpaid.

THE BOOK OF PERENNIALS

By Alfred C. Hottes. Contents: The Perennial Gardens; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth. \$2.75; \$2.95 Postpaid.

AMERICA'S GARDEN BOOK. By Louise Bush-Brown and James Bush-Brown. In this new, entirely revised edition, "America's foremost garden book" has been brought completely up-to-date.

The significant advances in horticultural practices, particularly in soil management, in the control of pests and diseases, and in the elimination of weeds and other undesirables are all included, as well as recommendations of the many notable new varieties of plants that have been introduced. Illustrated with more than 160 photographs, sketches, diagrams and maps. 1242 pages. Priced at \$4.50; \$4.70 Postpaid.

Kohlrabi

SOW in April or May in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.



VIENNA KOHLRABI EARLY WHITE. Pkt., 15c

K-11 EARLY WHITE VIENNA.

55 Days. White and tender. Pkt., 15c; ½ oz., 35c; oz., 55c

K-10 EARLY PURPLE VIENNA.

About 60 Days. Pkt., 15c; ½ oz., 35c; oz., 55c

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 WHITE VELVET. 70 Days. Produces pods larger than any other. Pkt., 15c; oz., 25c; ¼ lb., 65c

O-3 TALL OR PERKINS MAMMOTH. 68 Days. The long pods, measuring 4 and 5 in. are produced in great quantities. Pkt., 15c; oz., 25c; ¼ lb., 65c

O-2 DWARF LONG POD. 65 Days. Low, stocky and productive, with long pods. Pkt., 15c; oz., 25c; ¼ lb., 65c

O-1 CLEMSON SPINELESS. 55 Days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 15c; oz., 25c; ¼ lb., 65c



O-2 OKRA DWARF LONG POD. Pkt., 10c

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and flavor. Pkt. 15c; ½ oz., 35c; oz., 65c

THE NEW FLOWER ARRANGEMENT FOR EVERYONE. By Dorothy Biddle and Dorothea Blom. You'll be entranced with the inspired arrangements for home, church or flower shows. This completely revised edition, with 80 new photographs, offers information for novice and blue-ribbon winner! 192 pages. \$3.50. Postpaid, \$3.70.

Peppers, Sweet or Hot

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; oz., 1,000 plants. Plants started eight weeks before are set out one week after frost-proof date. Harvest continues until frost, if vines are picked clean.



P-61 PEPPER HUNGARIAN OR BANANA SWEET. Pkt., 15c

P-66 WISCONSIN LAKES.

65 Days. A new early heavy yielding block-shaped green pepper bred at the University of Wisconsin. It is particularly suited to the northern area, and has given heavy yields on both sandy and clay soils. Pkt. 35c; ½ oz., \$1.00; oz., \$1.85. See novelty page 7.

P-51 BULL NOSE, HOT. 60 Days. A pungent pepper. Pkt., 15c; ½ oz., 40c; oz., 75c

P-52 CALIFORNIA WONDER. 75 Days. A mild sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., \$1.00

P-57 EARLY CALIFORNIA WONDER (Calwonder) 65 Days. A quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4½ inches with thick flesh a deep green changing to bright crimson. Pkt., 15c; ½ oz., 50c; oz., \$1.00

P-53 CAYENNE. 70 Days. Long, red, hot. Pkt., 15c; ½ oz., 40c; oz., 75c

P-58 GIANT MAGNUM DULCE. 67 Days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c

P-75 GOLDEN CALIFORNIA WONDER. 80 Days. The same as California Wonder except that the fruit turns a bright golden yellow. Pkt., 25c; ½ oz., 65c; oz., \$1.20

P-59 HARRIS' EARLY GIANT. 63 Days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; pepper 4 x 4½ inches. Color, deep green turning to red, very sweet. Pkt., 15c; ½ oz., 40c; oz., 75c

P-60 HUNGARIAN OR BANANA (Hot). 65 Days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 7 inches long. Yellow turning to red. Pkt., 15c; ½ oz., 50c; oz., 90c

P-61 HUNGARIAN OR BANANA (Sweet). 65 Days. Same as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers. Pkt., 15c; ½ oz., 60c; oz., \$1.15

P-63 KING OF THE NORTH. 64 Days. A sweet medium, short and blocky. Not quite as early as Early Giant. Pkt., 15c; ½ oz., 40c; oz., 75c

P-64 LARGE BELL. 60 Days. Large, mild. Pkt., 15c; ½ oz., 40c; oz., 75c

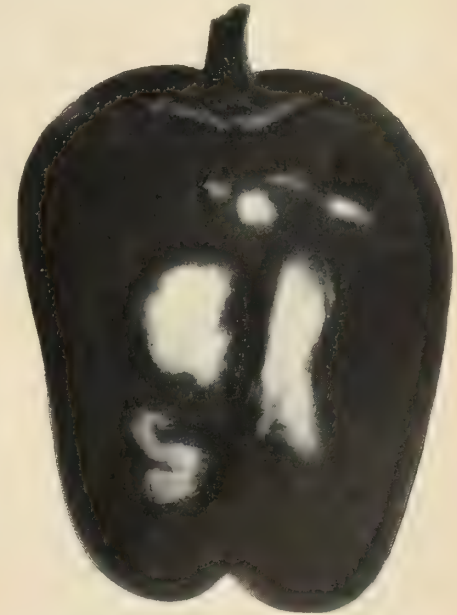
P-62 PATRICK HENRY. 58 Days. The earliest variety we know. It bears thick-fleshed green fruit, 3 to 4 lobed, which turn red when mature. Excellent for the home gardener wishing an early crop. Packets only, 25c.

P-68 PIMENTO PERFECTION. 73 Days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 15c; ½ oz., 45c; oz., 85c

P-70 RUBY KING. In 68 Days. One of the most popular growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 15c; ½ oz., 40c; oz., 75c

P-69 RED CHILI. 75 Days. An exceptionally prolific variety that is really hot. The fruit are thin-fleshed, very pungent light green becoming dark red when mature. Used extensively for pepper sauces, pickling and drying for winter use. Pkt., 15c; ½ oz., 45c; oz., 75c

P-71 SUNNYBROOK. 73 Days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet. Pkt., 15c; ½ oz., 50c; oz., 90c



P-73 PEPPER YOLO WONDER. Pkt., 35c

P-73 YOLO WONDER. 70 Days. A new mosaic resistant variety originating from a cross between California Wonder and Elephant Trunk, a mosaic resistant variety from Italy. Tobacco mosaic, is a disease of egg-plant and tomatoes as well as peppers, all being cousins of the tobacco plant. It is spread by smokers, and is widely prevalent. Pkt., 35c; ½ oz., \$1.00; oz., \$1.85.



SMALL SUGAR PIE PUMPKIN. Pkt., 15c

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

P-97 SMALL SUGAR PIE PUMPKIN. 110 Days. ☒ Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 15c; oz., 30c; ¼ lb., 75c

CUSHAW. 110 Days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 15c; oz., 30c; ¼ lb., 75c

P-92 WHITE. P-91 STRIPED. P-90 GOLDEN.

P-96 MAMMOTH PRIZE. About 120 Days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 15c; oz., 30c; ¼ lb., 75c

P-98 WINTER QUEEN OR WINTER LUXURY. About 100 Days. A quality pie pumpkin and the best winter keeper if care is taken in storage. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 15c; oz., 30c; ¼ lb., 75c

P-93 KENTUCKY FIELD (Large Cheese). About 120 Days. Used largely for canning and stock feeding. Fruits very large and flat, skin creamy buff, flesh extremely thick, deep salmon yellow and of good quality. Pkt., 15c; oz., 30c; ¼ lb., 75c

P-95 LARGE FIELD OR BIG TOM. 110 Days. ☒ A standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns. Pkt., 15c; oz., 30c; ¼ lb., 75c



PUMPKIN "BIG TOM." Pkt., 15c

Radishes for All Season

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types. Radishes supply, in a 2 oz. portion, 61U of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, ½ inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to make the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

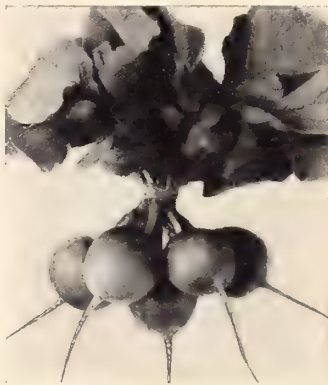
(F.) Forcing Sorts.

R-9 CHERRY BELLE. 25 Days. ☒ All American winner, 1949. See Novelty Page 8. Pkt., 25c; oz., 35c; ¼ lb., \$1.00; ½ lb., \$1.75

EARLY SCARLET GLOBE SELECT. (F.) 23 Days. Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

R-11 SHORT TOP. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-10 MEDIUM TOP. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55



R-11 RADISH SCARLET GLOBE SHORT TOP. Pkt., 15c

R-13 ICICLE. 27 Days. ☒ The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-14 FRENCH BREAKFAST. (F.) 25 Days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-22 CAVALIER. 23 Days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly. For an early maturing red radish either indoors or outdoor we strongly recommend this. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-12 GIANT BUTTER. 28 Days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is seldom found in the market and will make your friends talk. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-7 CRIMSON GIANT. (F.) 28 Days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55



R-18 SCARLET TURNIP WHITE TIP RADISHES. Pkt., 15c

R-3 BRIGHTEST LONG SCARLET. 26 Days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-6 CINCINNATI MARKET. 28 Days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-18 SCARLET TURNIP WHITE TIP (Sparkler). 26 Days. ☒ Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-20 WHITE BOX—(Early White Turnip). 20 Days. Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

SUMMER RADISHES



R-13 RADISH ICICLE Pkt., 15c

R-21 WHITE STRASSBURG. 40 Days. When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

WINTER RADISHES

THESE should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following: Pkt., 15c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.55

R-4 CALIFORNIA MAMMOTH WINTER. About 60 Days. Long, very large size.

R-16 ROSE OR SCARLET CHINA. About 52 Days. Rose, medium size, fine keeper.

R-5 CHINESE MAMMOTH OR CELESTIAL. About 60 Days. Immense size, flesh always crisp and mild.

R-1 BLACK SPANISH, LONG. 58 Days. Black skin and white flesh.

R-2 BLACK SPANISH, ROUND. 56 Days. Like Long Black, only round.

Green Leafy Crops

Richest of All in Vitamins

Swiss Chard

BEARS ALL SUMMER

S-89 SUMMER SPINACH. 45 Days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds.

Pkt., 15c; oz., 35c; ¼ lb., 75c

S-88 LUCULLUS. About 52 Days. A Moss Curled sort. Very large leaves.

Pkt., 15c; oz., 35c; ¼ lb., 75c

S-87 LARGE WHITE RIB. (Dark Green). 55 Days. The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide.

Pkt., 15c; oz., 35c; ¼ lb., 75c

S-86 FORDHOOK. 57 Days. This variety resembles Lucullus, but is a darker green.

Pkt., 15c; oz., 35c; ¼ lb., 75c

S-90 RHUBARB CHARD. A recent introduction having all the chard characteristics excepting mid rib.

Pkt., 15c; oz., 35c; ¼ lb., 75c



S-87 SWISS CHARD. Large. Pkt., 15c

Kale or Borecole

GREENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

K-1 DWARF GREEN CURLED. In about 55 Days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north.

Pkt., 15c; oz., 40c; ¼ lb., \$1.25

K-3 TALL GREEN CURLED. About 75 Days.

Pkt., 15c; oz., 40c; ¼ lb., \$1.25

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 Days.

M-76 TENDERGREEN. A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year.

Pkt., 15c; oz., 30c; ¼ lb., 80c

M-72 FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor.

Pkt., 15c; oz., 30c; ¼ lb., 80c

M-73 GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach.

Pkt., 15c; oz., 30c; ¼ lb., 80c

M-74 IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards.

Pkt., 15c; oz., 30c; ¼ lb., 80c

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$4.70 postpaid.

Vaughan's Seed Company 71

Spinach

SPINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. New Zealand Spinach, however, is better sown in early spring as soon as the ground may be worked. The value of spinach in the diet has been scientifically established by the vitamin investigation.



SINGLE PLANT OF NEW ZEALAND SPINACH.
Pkt., 15c

NEW ZEALAND SPINACH

Sow in Early Spring

S-8 NEW ZEALAND SPINACH. Tetragonia Expansa. 60 Days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 15c; oz., 35c; ¼ lb., \$1.00

GARDEN SORREL

S-3 Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years.

Pkt., 15c; oz., 75c

GREENHOUSE GARDENING FOR EVERYONE. By Ernest D. Chabot. Here for the first time is a book giving the principles of gardening under glass in down-to-earth language. Every phase is covered from a 2x4 cold frame to a small or large heated greenhouse. 366 pages. \$4.20.

S-13 AMERICA. 45 Days. All America Silver Medal, 1952. An extremely long-standing variety with Savoy type leaves, latest of this type.

Pkt., 15c; oz., 35c; ¼ lb., 90c

S-9 NOBEL GIANT THICK LEAVED. 45 Days. The largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-12 VIKING. 45 Days. This 1935 All-American winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-7 KING OF DENMARK (Antvorskov). 48 Days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-6 BLOOMSDALE LONG STANDING. 45 Days. Improvement was accomplished through the selection of bisexual plants which seed more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-5 BLOOMSDALE DARK GREEN. 43 Days. The leaf is of a darker green than Bloomsdale Long Standing.

Pkt., 15c; oz., 30c; ¼ lb., 80c

S-10 OLD DOMINION. 40 Days. An improvement over Virginia Blight Resistant being a longer standing variety.

Pkt., 15c; oz., 30; ¼ lb., 80c

SPINACH—KING
OF DENMARK.

Pkt., 15c



Left to right in rear: New Italian Marrow, light green; next, dark green strain; Prolific Straightneck; Giant Summer Crookneck, Cocozelle, Vegetable Marrow. In front, Mammoth White Bush.

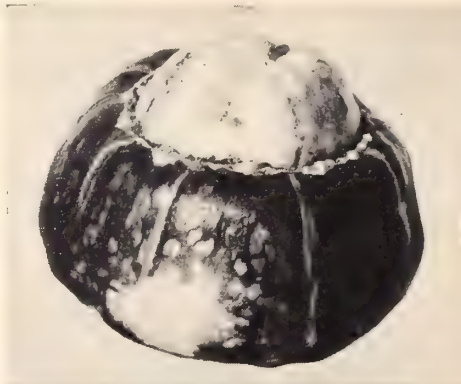
Improved Squash

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

WINTER VARIETIES

- S-40 UCONN.** 75 Days. ☒ A bush type of Acorn (gold medal winner 1950 All America). Pkt., 25c; oz., 65c; ¼ lb., \$1.85
- S-20 ACORN, TABLE QUEEN OR DES MOINES.** 80 Days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape, 5½ inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-23 BUTTERCUP.** 100 Days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter. Dry and of excellent quality. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-24 BUTTERNUT.** 100 Days. ☒ A recent introduction which in addition to top quality has the very important characteristic of being resistant to stem borer. The fruit may be held until spring in a cool dry spot. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-22 BLUE HUBBARD.** 110 Days. A third larger than Chicago Warded and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-25 CHICAGO WARTED HUBBARD.** 110 Days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-35 IMPROVED HUBBARD.** In 110 Days. Not as large as Chicago Warded, but in shape and quality similar. Flesh is sweet and fine grained, and fruits keep well. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- DELICIOUS (Green or Golden).** In 102 Days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.
- S-27 GREEN.** Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-29 GOLDEN.** Pkt., 15c; oz., 45c; ¼ lb., \$1.25



S-23 BUTTERCUP SQUASH. Pkt. 15c

Vegetable Marrows

- S-39 CASERTA.** 60 Days. ☒ An Italian Cocozelle type that won a Gold Medal in All America. The fruits mature almost a week earlier in much greater numbers. The fruit are delicious at the size of a banana. Pkt., 25c; oz., 65c; ¼ lb., \$1.85
- NEW ITALIAN MARROW. (Zucchini).** 60 Days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.
- S-34 LIGHT GREEN OR GRAY STRAIN.** Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-33 DARK GREEN OR BLACK STRAIN.** Pkt., 15c; oz., 45c; ¼ lb., \$1.25

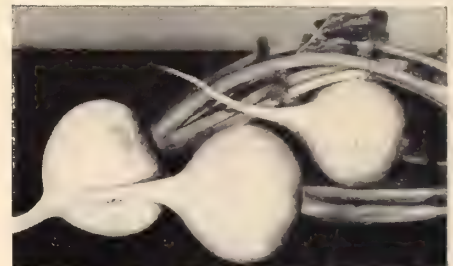


S-22 SQUASH BLUE HUBBARD, Pkt., 15c

- S-26 COCOZELLE (Italian Vegetable Marrow).** Ready in about 65 Days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-28 ENGLISH VEGETABLE MARROW.** About 100 Days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

OTHER TYPES

- S-36 PROLIFIC STRAIGHTNECK.** 55 Days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-32 MAMMOTH WHITE BUSH.** About 60 Days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature. Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-37 GIANT YELLOW SUMMER CROOKNECK.** In about 55 Days. Our strain produces fruit, nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 15c; oz., 45c; ¼ lb., \$1.25
- S-21 BANANA SQUASH.** In 105 Days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green. Pkt., 10c; oz., 35c; ¼ lb., 80c
- S-38 YELLOW SUMMER CROOKNECK.** Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and 3½ inches through; neck curved, skin orange, flesh yellow, moderately warty. Pkt., 10c; oz., 30c; ¼ lb., 75c



T-93 TURNIP PURPLE TOP WHITE GLOBE. Pkt., 15c

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August, and the plants will grow until freezing weather, when they should be harvested and stored.

- T-93 PURPLE TOP WHITE GLOBE.** 57 Days. ☒ Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper. Pkt., 15c; oz., 25c; ¼ lb., 60c
- T-92 PURPLE TOP STRAP-LEAVED.** About 46 Days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality. Pkt., 15c; oz., 25c; ¼ lb., 60c
- T-88 EARLY WHITE MILAN.** In 42 Days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 15c; oz., 25c; ¼ lb., 60c
- T-95 SHOGGIN.** 30 Days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphid and plant lice. Pkt., 15c; oz., 25c; ¼ lb., 60c
- T-94 SEVEN TOP.** 30 Days. A variety much grown in the south for the tops, which are used as greens. Pkt., 15c; oz., 25c; ¼ lb., 60c
- T-89 EXTRA EARLY PURPLE TOP MILAN.** About 42 Days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves. Pkt., 15c; oz., 25c; ¼ lb., 60c

Rutabagas Mature in 90 Days

- R-31 IMPROVED AMERICAN PURPLE TOP.** Is a fine strain of Purple Top. Largest size, best shaped variety, heavy neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 15c; oz., 25c; ¼ lb., 60c
- R-32 LAURENTIAN.** A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 15c; oz., 25c; ¼ lb., 60c

Tomato is No. 1 Home Garden Crop

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

HYBRID TOMATOES

T-44 VAUGHAN'S EARLY HYBRID. 68 Days. ☒ A heavy yielding, very early and large fruited variety. Pkt., 35c

LARGE TOMATOES

T-19 GIANT TREE. 88 Days. ☒ The most outstanding large tomato for size and quality, for description see Novelty Page 8. Packets only. 50c

T-36 PONDEROSA. 88 Days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 15c; ½ oz., 65c; oz., \$1.25

T-34 OXHEART. 90 Days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 15c; ½ oz., 65c; oz., \$1.25

T-12 CRIMSON CUSHION OR BEEFSTEAK. 96 Days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c; ½ oz., 65c; oz., \$1.25

EARLY, SMALL VINES

Do Not Prune

T-16 EARLY CHATHAM. 60 Days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c

T-7 BOUNTY. 65 Days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota, Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c

T-17 FIRESTEEL. 68 Days. ☒ A small vine tomato that produces remarkably large fruits early. Varieties are smooth, red of semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c; ½ oz., 50c; oz., 90c

EARLY, LARGE VINES

T-41 EARLIANA. 66 Days. Large, smooth bright red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 15c; ½ oz., 50c; oz., 90c

T-26 JOHN BAER CERTIFIED. About 70 Days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 15c; ½ oz., 50c; oz., 90c

T-6 BONNY BEST CERTIFIED. 74 Days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 15c; ½ oz., 50c; oz., 90c

S-250 BLOSSOM SET HORMONE FOR TOMATOES. Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer, many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c; postpaid 85c; pint, makes 4 gallons, price each, \$1.75, postpaid \$1.95.

S-276 BLOSSOM SET AEROSOL BOMB, ready to use, for 100 plants, each \$1.79; postpaid \$1.95.



WILT RESISTANT

T-20 MANALUCIE 86 Days. ☒ The most outstanding tomato introduction in years. This variety might well become our top tomato. Resistant to early blight as well as five other common diseases. Pkt. 35c; ½ oz., 75c; oz., \$1.25; See novelty page 6.

T-29 QUEENS. 76 Days. ☒ New Red for 1952, bred by L. G. Schermerhorn of New Jersey Experiment Station. A cross between Rutgers and Vallant, giving early maturity to Rutgers type of fruit. Pkt., 25c; ½ oz., 65c; oz., \$1.25

T-18 GARDEN STATE. 83 Days. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and solid. Pkt., 15c; ½ oz., 50c; oz., 90c

T-31 MARGLOBE CERTIFIED. 77 Days. Second-early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 15c; ½ oz., 50c; oz., 90c

T-40 RUTGERS CERTIFIED. 86 Days. ☒ A New Jersey Experiment Station cross on Marglobe. The fruit are bright scarlet and slightly more flat than Marglobe. Highly recommended as a second early variety for canning and tomato juice. Pkt., 15c; ½ oz., 50c; oz., 90c



T-40 TOMATO CERTIFIED RUTGERS. Pkt., 15c

T-38 PRITCHARD CERTIFIED (Scarlet Topper). 76 Days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 50c; oz., 90c

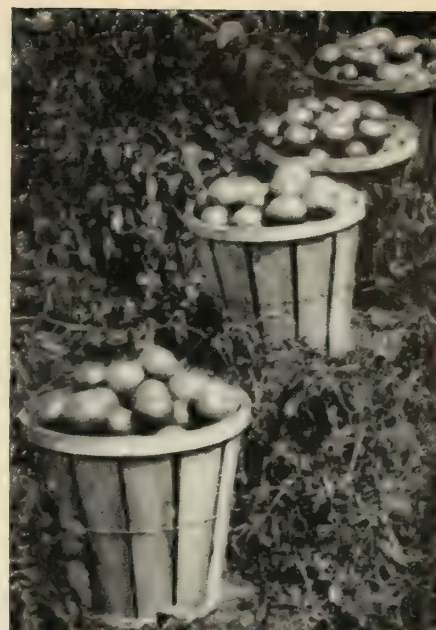
T-47 VALIANT. 70 Days. Maturing after Earliana but before Rutgers. Valiant will yield a fine crop, averaging 7 ounces per fruit. The fruits are smooth, heavy, solid and of fine quality, with a sparse vine growth; preferable where early maturity is paramount. Pkt., 20c; ½ oz., 55c; oz., \$1.00

T-22 WISCONSIN 55, CERTIFIED. 83 Days. A new, very fine red main crop variety that matures slightly ahead of Rutgers. Pkt., 15c; ½ oz., 50c; oz., 90c

T-8 BREAK O'DAY CERTIFIED. 70 Days. A wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Use whole for salads or stuffed. Pkt., 15c; ½ oz., 50c; oz., 90c

BEST YELLOW VARIETY

T-27 JUBILEE. 80 Days. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 55c; oz., \$1.00



T-18 TOMATO GARDEN STATE. Pkt., 15c

OTHER POPULAR VARIETIES

T-32 NEW GLOBE. Matures in about 82 Days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 15c; ½ oz., 50c; oz., 90c

T-23 IMPROVED NEW STONE CERTIFIED. 86 Days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 15c; ½ oz., 50c; oz., 90c

T-14 DWARF STONE. The Largest Dwarf Tomato. 92 Days. It resembles "Dwarf Champion," but is of stronger growth and more erect, fruit bright red. Pkt., 15c; ½ oz., 50c; oz., 90c

SMALL FRUITED TOMATOES

T-51 ITALIAN CANNER. 75 Days. A very productive long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 15c; ½ oz., 50c; oz., 90c

FOR GREENHOUSE

T-45 LIVINGSTON GLOBE. Pink. Strain A—for fall crop. Pkt., 25c

T-42 LIVINGSTON GLOBE. Pink. Wilt Resistant #3. for spring crop. Pkt., 25c

For Pickles and Preserves. 73 Days

T-53 RED CURRANT. Very small.

T-52 RED CHERRY. Small fruit, bright scarlet.

TWO PEACH TOMATOES

T-54 RED. **T-57 YELLOW.**

T-59 YELLOW PLUM. **T-58 YELLOW PEAR.**

T-50 GROUND CHERRY, HUSK OR STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and pies. Any of the above pkt., 15c; ½ oz., 50c; oz., 90c.

Tobacco Seeds

T-3 CONNECTICUT SEED LEAF. Best adapted to northern states. Pkt., 15c; ½ oz., 40c; oz., 75c

T-2 BURLEY. Pkt., 15c; ½ oz., 40c; oz., 75c

Rhubarb

R-27 MAMMOTH. Vigorous and productive; stalks fifteen inches long. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

R-26 VICTORIA. A popular red strain. Pkt., 15c; oz., 45c; ¼ lb., \$1.25

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add zone rate postage.) 1 lb., for 1 root; 2 lbs., for 3 roots; 3 lbs., for 6 roots; 5 lbs., for 10 roots.

CHIPMAN'S CANADA RED. Stems dark red clear to heart. Makes a sweet fine flavored, beautiful red sauce. Divisions, \$1.00; 3 for \$2.55; 10 for \$7.00

MCDONALD CRIMSON, DIVISIONS. Bright red stalks, low acidity, thin skin, fine grain and fruit flavor. Each, 90c; 3 for \$2.35; 10 for \$6.00

VICTORIA. 2 years. 3 for \$1.25; 10 for \$3.50

All the above prepaid.

Top Ranking Gladiolus Varieties



BENJAMIN BRITTEN



PARTHIËNA



MOTHER FISCHER



GOLD

BEST OF THE NEW INTRODUCTIONS

25 Bulbs of Any Variety
Take the 100 Rate

- GL101 ASTRID (Jack).** Ex. Distinctive clear medium rose with narrow throat line and slight feather. The color is well liked by florists for cut flowers. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL102 BEAUTY'S BLUSH (Fischer).** Ex. Soft blush pink, opening seven recurved florets on a long flower spike. Robust grower, and excellent cut flower. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL103 BENJAMIN BRITTEN (K&M).** Ex. A new, deep toned lavender approaching light purple. The 5-inch florets are well placed on a 6 foot spike. Early and strong grower. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL104 BETTY DUNCAN (Benedict).** Ex. Clear orange with golden throat. Does not burn in the sun. Tall plant with up to 7 4½ inch blooms open. Each, 15c; doz., \$1.75; 100, \$12.00.
- GL106 BIRCH RED (Rich).** Ex. One of best medium dark reds. Tall and straight with 7 blooms open and as many showing color. Each, 15c; doz., \$1.75; 100, \$12.00.
- GL110 BURMA (Palmer).** Deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. Fine exhibition variety. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL111 CORDOVA (Palmer).** Ex. One of Prof. Palmer's finest introductions. It has well-placed, plain-petaled florets of soft salmon pink, and unusual vigor. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL112 COL. ATKINSON (Williams).** Ex. Deep lavender self with towering spike, opening 10 to 12 florets together, blooming in 100 days. Color midway between lavender and purple. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL121 DIEPPE (Hassel).** Ex. Dazzling salmon scarlet with deeper blotch. Florets are frilled, and seven open together on a long spike. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL122 ELMER'S ROSE (Fischer).** Ex. As many as 22-24 florets of a deep rose, with ruffled petals, are borne on tall spikes. Flowers have exceptional substance, and color is unmatched. Each, 20c; doz., \$2.00; 100, \$15.00.
- GL123 EVANGELINE (Palmer).** Ex. Light buff pink, with a creamy yellow throat. It opens 8 to 9 huge ruffled blooms on a flowerhead of 20 to 22 buds. Foliage tall and broad and disease resistant. Each, 15c; doz., \$1.50; 100, \$10.00.

GL124 FLORENCE NIGHTINGALE (Harris). Ex. Outstanding new white from Canada. Opens 8 well placed florets on tall straight spike. Two for 25c; doz., \$1.25; 100, \$8.00.

GL125 FRIENDSHIP (Fischer). Ex. Bright true pink, blended with cream and white throat. It is a sensational propagator from small bulbs, and one of the first to bloom. Each, 15c; doz., \$1.50; 100, \$10.00.

GL127 GAIL (Farrington-Moses) Dec. Tall growing lavender opening 7 to 9 florets with gracefully recurved petals. Color deeper at petal edge, spike straight and florets well placed. Each, 20c; doz., \$2.00; 100, \$15.00.

GL126 GENE (Farrington.) Dec. A good ruffled medium yellow. 6 to 8 florets open at one time, well placed on a strong straight stem. Each, 15c; doz., \$1.50; 100, \$10.00.

GL128 GOLD. (Marshall) Ex. Exceptionally vigorous and healthy variety with rich yellow coloring. The large florets are attractively ruffled, and open to the tip of the strong, straight stem. Each, 25c; doz., \$2.50.

GL135 HARRY HOPKINS (Salman). Ex. Large deep red with slight purplish shading. Opens 6 to 8 well placed blooms on a tall straight stem. One of the best dark reds. Two for 25c; doz., \$1.25; 100, \$8.00.

GL139 KING DAVID (Carlson). A seedling of King Lear it has similar deep purple color with a narrow silver picotee edging around all florets. Opens 10 ruffled florets on tall, strong spikes. Each, 25c; doz., \$2.50; 100, \$18.00.

GL140 LEEUWENHORST (Salman). Ex. Tall, with huge flowers of light rose tinted lavender. One of the strongest growers and largest flowers. Vigorous grower and good propagator. Two for 25c; doz., \$1.25; 100, \$8.00.

GL142 MIGHTY MONARCH (Butt). Ex. This fine deep red will produce 15-bulb spikes even from bulbets. It has exceptional height and vigor besides its glowing color. Each, 20c; doz., \$2.00; 100, \$15.00.

GL143 MOTHER FISCHER (Fischer) Ex. Heavy ruffled white with velvety texture which opens 8 florets of perfect placement. Tall, with long flower head. A winner at flower shows. Each 25c; doz., \$2.50.

GL151 OCTOBER SUNSHINE (Quackenbush). Ex. An outstanding cut flower variety, orange with golden yellow throat. Opens 5 to 6 recurved florets on an 18 bud spike with 8 buds showing color. Each, 15c; doz., \$1.50; 100, \$10.00.

GL152 ORANGE GOLD (Marshall). Ex. Clear orange self color. Opens up 6 well placed florets on a tall spike. Each, 15c; doz., \$1.25; 100, \$8.00.

GL154 PACTOLUS (K & M). Ex. Apricot cream with orange red blotch, opens 8 to 10 well placed florets. Of medium height but exceedingly showy. Each, 15c; doz., \$1.50; 100, \$10.00.

100 Top-size Bulbs of 10 Top Ranking Glads

Prepaid **\$7⁰⁰**

Ten of each of the following ten Prize Winning varieties (100 first size Bulbs) will be sent postpaid for \$7.00.

LAKE GENEVA COLLECTION

- 10 Elizabeth the Queen
- 10 Parthiëna
- 10 Red Wing
- 10 Pactolus
- 10 The Rajah
- 10 Gene
- 10 Picardy
- 10 Spic and Span
- 10 Ravel
- 10 Florence Nightingale

GL155 PARTHIËNA (Hitchcock). Ex. A striking deep mauve-lavender. It will open 8 blooms on a 55 inch spike with a long flowerhead. The 5½ inch blooms are perfectly placed and are ruffled and fluted. Each, 15c; doz., \$1.50; 100, \$10.00.

GL156 PATROL (Palmer) Ex. Clear apricot with yellow throat, which opens 10 or more florets with all the remaining showing color. Strong grower with long flower head, which stands heat well. Each, 15c; doz., \$1.50; 100, \$10.00.

GL157 PALETTE (Europe). Ex. Attractive variety of vermilion-red with contrasting purple-blue in throat. A vigorous grower with a fine spike. Each, 20c; doz., \$2.00; 100, \$15.00.



KING DAVID



THE RAJAH



SPIC AN SPAN



RED WING

NEW INTRODUCTIONS—Continued

GL159 THE RAJAH (Jack) Ex. Large and vigorous reddish purple opening 8 to 9 6-inch florets on long, strong stems. An outstanding flower in the garden or on the exhibition table. A great prize winner. Each, 20c; doz., \$2.00

GL161 RED CHERRY (Roberts) Ex. Early brilliant scarlet with darker throat. Opens 6 to 7 blooms which often are large enough to be in the 500 class. Form resembles Picardy. Each, 15c; doz., \$1.50; 100, \$10.00.

GL162 RED WING (Graff) Ex. An exhibition red which opens 10 large blooms with 6 more showing on a head of 22 buds. Opens well when cut tight. Each, 15c; doz., \$1.50; 100, \$10.00

GL163 REGAL RED (Fischer) Ex. Tall vigorous scarlet red. Six florets open at one time and can be grown up to 7½ inches without overlapping. Late bloomer. Each, 20c; doz., \$2.00; 100, \$15.00.

GL160 SAN SOUCI (Europe) Ex. A glowing scarlet with thin white pencil line on lower throat, it opens eight 5½ inch florets on 19 bud spike, with 7 or 8 in color. Each, 15c; doz., \$1.50; 100, \$10.00

GL164 SHERWOOD (Pruitt) Ex. Beautifully ruffled deep purple with darker blotch. Tall grower, opens 5 to 6 large blooms. Each, 15c; doz., \$1.50; 100, \$10.00.

GL165 SOUTHERN BELLE (Fischer) Ex. A predominant vivid pink with a trace of smoky coloring is set off by a snowy white throat. Outstanding in its class. Excellent propagator. Each, 25c; doz., \$2.50; 100, \$18.00.

GL169 SWEET SIXTEEN (Fischer) Dec. A fresh-toned pink with rounded petals which is a favorite with florists for bouquets and arrangements. A sport of Beauty's Blush, and equally strong grower. Each, 20c; doz., \$2.00; 100, \$15.00.

GL174 TIVOLI (K & M) Ex. Clear soft rose. Opens 8 large florets on tall spike. Very fine for cut flowers. Each, 15c; doz., \$1.50; 100, \$10.00.

GL175 TRAIL'S END (Ficht) Ex. Rare color blend of rose with yellow throat, maturing in 85 days. Each, 15c; doz., \$1.50; 100, \$12.00.

GL181 WEDGEWOOD (Fischer) Ex. Waxy ruffled new-lavender with cream throat. Opens 4 to 5 medium size florets on medium tall spike, 2 for 25c; doz., \$1.25; 100, \$8.00.

To Kill Gladiolus Thrips

We recommend D.D.T. for gladiolus thrips. For those who prefer it we can supply Tartar Emetic.

S155 D.D.T. 5% DUST. A ready-mixed garden dust; safe on all plants. 1 lb., 50c, postpaid 70c; 4 lbs., \$1.10, postpaid, \$1.50.

S322 TARTAR EMETIC. After plants have reached 6 inches in height, spray weekly with the following formula: ¼ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

Tartar Emetic, postpaid for ¼ lb., 50c; postpaid 60c; ¼ lb., 85c, postpaid \$1.00; 1 lb., \$1.40, postpaid \$1.60.

GL202 ETHEL CAVE-COLE (Cave) Ex. Pure light pink sometimes flaked. Makes a spike of 9 to 10 large, well placed blooms on a head of 20 to 24 buds. Two for 20c; doz., \$1.00; 100, \$5.00.

GL204 PICARDY (Palmer) Ex. A most sensational flower of delicate apricot-pink. Two for 25c; doz., \$1.00; 100, \$7.00.

GL205 ROSA VAN LIMA (Pfitzer) Dec. Pure self-colored light pink. Two for 20c; doz., \$1.00; 100, \$5.00.

GL207 SPIC AN SPAN. (Carlson) Ex. Giant deep pink ruffled florets, 10 open of its 22 buds together, with all the rest showing clear. It consistently makes fine spikes from any size bulb and increases rapidly. Outstanding as a commercial and show flower. Each, 15c; doz., \$1.50; 100, \$10.00.

ORANGE

GL152 ORANGE GOLD (Marshall) Ex. Clear orange self color. opening six well placed florets on tall spike. Each, 15c; doz., \$1.25; 100, \$8.00.

RED

GL212 VALERIA (Pruitt) Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Two for 20c; doz., \$1.00; 100, \$6.00.

GL214 RED CHARM (Butt) Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Two for 25c; doz., \$1.25; 100, \$8.00.

WHITE

GL261 CORONA (Palmer) Dec. Creamy white with wide rose picotee edge on all petals. Very distinctive and beautiful. 6 to 8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Each, 15c; doz., \$1.25; 100, \$8.00.

GL262 LEADING LADY (Johnston) Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Two for 25c; doz., \$1.25; 100, \$8.00.

GL263 MARGARET BEATON (Twomey) Ex. New immense white with orange-scarlet blotch. Two for 20c; doz., \$1.00; 100, \$5.00.

GL265 SNOW PRINCESS (Pfitzer) Ex. Tall white with long flower spike and many open blooms that are always perfectly placed. Mid-season. Two for 20c; doz., 75c; 100, \$4.00.

GL266 WHITE GOLD (Scheer) Ex. Clear light cream shading to golden throat. 4 to 6 very large well placed blooms open at one time. Two for 20c; doz., \$1.00; 100, \$6.00.

YELLOW

GL251 GELBER HERALD (YELLOW HERALD) (Pfitzer) Dec. Amber yellow, carmine in the throat. The large wide open flowers are well placed and spaced on a strong stem. Two for 25c; doz., \$1.25; 100, \$8.00.

GL252 GOLD DUST (Pfitzer) Dec. New deep yellow. Two for 20c; doz., \$1.00; 100, \$6.00.

GL172 SPOTLIGHT (Palmer) Ex. Deep yellow, red throat, most popular yellow today. 2 for 20c; doz., \$1.00; 100, \$6.00.

BLUE AND PURPLE

GL231 ABU HASSAN (Pfitzer) Dec. Clear dark blue medium size bloom on a tall straight spike. Excels Pelegria both in color and growth. Two for 25c; doz., \$1.25; 100, \$8.00.

GL233 RAVEL (K & M) Ex. One of the best new blues. Clear medium blue—with attractive purplish blotch. Good winner at the Holland shows. Each 15c; doz., \$1.50; 100, \$10.00.

GL234 PAUL RUBENS (Salman) Ex. Dark reddish violet, of the color so popular with women. It opens several large florets together on a tall, strong spike. Each, 15c; doz., \$1.25; 100, \$8.00.

GL235 PURPLE SUPREME (Wilson) Ex. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Two for 25c; doz., \$1.00; 100, \$7.00.

LAVENDER

GL241 ELIZABETH THE QUEEN (White) Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Two for 20c; doz., \$1.00; 100, \$7.00.

General List

PINK AND ROSE

GL201 CHAMOONY (Baerman) Ex. Rich, light rose with paler edging; perfectly placed florets on slender spike, eight or more open at same time. Two for 20c; doz., \$1.00; 100, \$7.00.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions we ship bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing.

Vaughan's "Standard" Mixture: 50 Bulbs. First Size . . \$2.50

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 75c, postpaid; by express, not prepaid, 50 for \$2.50; 100 for \$4.75; 250 for \$11.00; 500 for \$20.00; per 1,000, \$35.00.

Special Gladioli Mixture No. 4 size prepaid. 6 for 25c; 50 for \$1.50; 100 for \$2.00.

Summer Flowering Bulbs

ACHIMENES

This is closely related to the gloxinia. Plant 6 to 7 bulbs in a 5-inch pot, or 9 to 10 in a 6-inch pot. The soil used for potting should be rich in humus and of an open, porous nature, allowing perfect drainage. A good mixture to use is equal parts of loam, leaf mold and sand. About one-third of the depth of the pots or pans should be occupied with drainage. After the young growth appears, great care should be taken to keep the soil moist, for a single severe drying will ruin the plant. Blooming time 8 to 10 weeks after planting. Mixed colors 3 for 60c; doz., \$2.00; 100, \$15.00.

ACIDANTHERA BICOLOR MURIELAE

Flowers resembling the gladiolus grow from similar bulbs or corms. The 2-inch florets are white with deep violet blotch, on 2 foot stems. Plant in late full sun 5 inches deep, 4-5 inches apart. Keep bulbs warm and dry. Bulbs, doz., 75 cents; 100, \$5.00.

TUBEROUS BEGONIAS

Complete instructions sent with tuber.

California Grown Double Camellia Flowered

	Each	Doz.	100
1½-1¾ inch.....	\$0.20	\$2.00	\$15.00
1¾-2 inch.....	.30	3.00	22.50
2 inch.....	.45	4.50	32.00

IMPORTED DOUBLE CAMELLIA FLOWERED

Red, White, Pink, Salmon, Orange, Yellow

	Each	Doz.	100
1½-2 inch.....	\$0.20	\$2.00	\$15.00
2 inch.....	.30	3.00	20.00

Imported Carnation-Flowered

	Each	Doz.	100
1½-2 inch.....	\$0.25	\$2.50	\$18.00
2 inch and up.....	.35	3.50	25.00

Lloydii or Pendula. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Garden Work. Each, 30c; doz., \$3.00; per 100, \$22.00.

Multiflora Hybrids Mixed. In a shady place where they can be well watered these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Three for 75c; doz., \$2.75; per 100, \$20.00.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 40c; 3 for \$1.10; doz., \$4.00.

HYACINTHUS CANDICANS

Summer Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., \$1.50, prepaid; selected size, each, 25c; doz., \$2.50, prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., \$3.50, prepaid.

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. Balanced Assortment. Price, 3 for 40c; doz., \$1.50; 100, \$10.00; prepaid.

TIGRIDIA

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft

Red, each, 20c; doz., \$1.75; 100, \$12.00
Wine-Red, each, 25c; doz., \$2.50; 100, \$15.00.
Deep-Rose, each, 25c; doz., \$2.50; 100, \$15.00.
Yellow, each, 30c; doz., \$3.00; 100, \$18.00.
Mixed. Price, 3 for 55c; doz., \$1.75; 100, \$12.00; prepaid.



ACHIMENES



DOUBLE BEGONIA



HYACINTHUS CANDICANS



GLOXINIAS



ISMENE CALATHINA



TUBEROSES



MONTBRETIAS



TIGRIDIA



ZEPHYRANTHUS

FAIRY LILY

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs

Candida. Pure white and the most profuse bloomer of all. Doz., 80c; 25 for \$1.50; 100, \$5.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., \$1.50; 100, \$10.00, prepaid.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 35c; doz., \$3.50; 100, \$25.00

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., \$3.50; 100, \$25.00.

Rehmannii Superba. The rare Pink Calla Lily. Rather dwarfier and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1½ to 2 inch. Each, 35c; doz., \$3.50; per 100, \$25.00.



CALLA LILY

TUBEROSES DOUBLE

(*Polianthes Tuberosa*)

Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., \$2.00; 25 for \$3.75; prepaid. **Second Size**—Price, doz., \$1.50; 25 for \$2.85; prepaid.

RESURRECTION LILY

Shipped in July

(*Lycoris Squamigera*) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 90c; doz., \$9.00.

STERNBERGIA

Shipped in August

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., \$3.00; 100, \$20.00.

LYCORIS

Shipped in July

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., \$2.50; 100, \$18.00.

Imported Super-Giant Amaryllis

Bulbs 4 inches in diameter, your choice of white, orange, red, scarlet, dark red, salmon or striped, Each \$3.00; dozen, \$35.00 prepaid.

Famous Holland Strain

Largest of flowers which can be grown indoors, and among the largest that grow in gardens, these Amaryllis can be flowered indoors in pots, or set out in the garden after danger of frost is over.

They are giants of their race, and since they are not grown from seed but from bulblets, their color is known in advance. They exactly reproduce their parent bulbs, which are grown in greenhouses in Holland and are carefully selected for vigor and beauty.

This exclusive strain is famous for outstanding beauty, clear coloring, size of flowers, and their form and texture. The initial cost is higher than for seed-grown bulbs, but they may be kept for years, and will produce their beautiful flowers annually. They make fine gifts, for which the donor will be remembered many years.



IMPORTED HOLLAND AMARYLLIS



Loveliest Garden Lilies, 12 Pre-paid \$2⁷⁵

3 Each of following 4 Varieties (value \$3.75)

These are the largest and easiest lilies for the amateur to grow in average garden soil, without special treatment. In well drained locations they will live for years, flowering each summer. Planting instructions included.

BL101. Lilium Regale. (Royal Lily) Its large, fragrant, trumpet flowers are pure white on the inside of the petals, the outside striped with pink. It flowers early, in clusters of buds which open slowly until all are in full glory. Longest lived of all in ordinary garden soil. Large bulbs, each 40c; 12 for \$4.00 prepaid.

BL102. L. Rubrum. The white petals of this Japanese lily are curled back, and so flushed deep pink with carmine dots, that only the margins are clear white. It grows to 4 feet and flowers may reach 6 inches in

diameter. It is free from disease and lives for years in the coldest regions. Large Bulbs. Each 30c; 12 for \$3.00 prepaid.

BL103. Lilium Umbellatum. These beautiful lilies perform like the hardiest of perennials, growing matted roots which can be divided like herbaceous plants. Their orange and crimson flowers are held upright in clusters on stems 3 feet tall. Blooming in June, they will thrive in any garden soil and multiply. Each 40c; Doz., \$4.00.

BL104. Lilium Phillipinense. A graceful lily with grassy foliage and long, trumpet flowers of purest white, marked externally with reddish brown. Flowers are fragrant, 3 foot stems. Each 45c; 12 for \$4.50 prepaid.

LILIUM CANDIDUM

Shipment in Aug. and Sept.

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th.

18-20 CENTIMETERS (7-8 inch circumference) Each 30c; dozen, \$3.00; 100, \$20.00.

20-22 CENTIMETERS (8-9 inch circumference) Each, 35c; dozen, \$3.50; 100, \$25.00.

22-24 CENTIMETERS (9-10 inch circumference) Each, 50c; dozen, \$5.00; 100, \$35.00.

26 CENTIMETERS and over (10-11 inch circumference). Each, 75c; dozen, \$7.50; 100, \$55.00.

28 CENTIMETERS and up (12-inch circumference and up). Each, 90c; dozen, \$9.00; 100, \$70.00.

AMARYLLIS

American Grown Mixed Bulbs

These bulbs are grown from seed, and produce flowers having a wide range of colors, including red, pink and white in attractive stripes and patterns. The flowers may exceed 6-inches in diameter, and are borne in clusters, often two or three clusters in succession. The bulbs can be saved and flowered each year. 2 1/4-2 1/2 in. dia., each 40c; doz., \$4.00; 100, \$27.00; 2 1/2-2 3/4 inch dia., each, 50c; doz., \$5.00; 100, \$35.00; 2 3/4-3 inch dia., each 75c; doz., \$7.50; 100, \$55.00.



FORMAL DECORATIVE



SEMI-CACTUS



STRAIGHT CACTUS

New and Standard—Large Flowering Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Roots** of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F.D., Formal Decorative; I.D., Informal Decorative; S.C., Semi-Cactus; Str. C., Straight Cactus; I.C., Incurred Cactus.

ADOLPH MAYER. S.C. 10". Dark purple, almost black. Large flower of unmatched beauty. Each \$1.00; 3 for \$2.50.

AMI BLIN. S.C. 10". Color is rich velvet black red. This is a very outstanding dahlia and one of the finest of the recent Holland introductions. Bush is massive and rugged with blooms held upright on cane-like stems. Each \$1.50; 3 for \$3.75.

ARTHUR GODFREY. F.D. 12". Enormous flower of orient red with buff shadings. One of the largest of all dahlias. Each \$1.75; 3 for \$4.25.

AVALON. F.D. 10". Beautiful clear yellow. Old favorite for commercial use. Favors cold weather. Each \$0.50; 3 for \$1.25.

BERGER'S MASTERPIECE. C. 8". The outstanding favorite in our cactus plantings. Color is soft lavender-pink with a yellow base. Narrow incurved florets borne profusely on tall, wiry stems. Each \$1.00; 3 for \$2.50.

BUTTERFLY. I.D. 10". Soft blend of henna orange with orchid reverse on the petals. Color is very unusual and showy. Low bush. Each \$1.00; 3 for \$2.50.

CLARA CORDER. I.D. 12". Giant cyclamen pink on low to medium bush. Blooms are naturally very large and showy. Each \$1.00; 3 for \$2.50.

COMMANDO. F.D. 10". An excellent deep lavender garden variety. Produces many flowers on tall healthy bushes. Each \$0.75; 3 for \$1.75.

CROWN OF GOLD. SHOW. 8". A striking combination of yellow-gold tipped bright red. Many flowers on medium size bushes. An excellent autumn dahlia. Each \$0.50; 3 for \$1.25.

DARCY SAINSBURY. F.D. 10". Pure white. Perfect blooms face from canelike stems. Growth is very regular and vigorous. Each \$1.25; 3 for \$3.00.

D. DAY. F.D. 8". Solid colored true pink commercial. Medium size flowers of great abundance. Each \$0.75; 3 for \$1.75.

DEEP VELVET. F.D. 10". Giant deep velvet red to near black. Massive grower and near perfection for sheer beauty. Each \$1.50; 3 for \$3.75.

DEUIL DU ROI ALBERT. F.D. 8". The favorite florist bi-color. Flowers are violet purple with white tips. Free flowering and very striking. Each \$1.00; 3 for \$2.50.

EASTERN ECHO. F.D. 8". Variable red-lavender spotted. Medium size and free flowering. Each \$0.50; 3 for \$1.25.

FAITHFUL. S.C. 9". Semi-cactus white that is produced on tall strong bush. Bush and foliage are very vigorous. Each \$1.00; 3 for \$2.50.

FIVE STAR GENERAL. F.D. 10". Very large, light amaranth pink with tips of soft maize yellow. Sturdy bush with real stiff stems. Each \$1.25; 3 for \$3.00.

Three Giant \$1 Dahlias . . .

When labels become detached from our named varieties, the **Roots** cannot be used to fill regular orders. We offer such **Roots** at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

GALLANT FOX. F.D. 8". A leading commercial red that should be included in every dahlia planting. One of the few dahlias that can be successfully marketed in the hottest weather. Each \$0.50; 3 for \$1.25.

GEN'L. J. J. PERSHING. S.C. 10". Coral and jasper red with a chrome finish. Long strong stems. Each \$1.25; 3 for \$3.00.

JANE COWL. I.D. 10". Large shaggy flower of copper and gold. While not a commercial cut flower, this old favorite is still one of the most popular for garden use. Each \$0.75; 3 for \$1.75.

JANE LAUSCHE. S.C. 10". An outstanding bicolor of soft mallow purple with white tips. Very large and beautiful. Each \$1.25; 3 for \$3.00.

JEAN KERR. F.D. 8". The most popular white commercial cut flower. The exceptional keeping quality of the medium size flowers make them ideally suited for floral work. Each \$0.50; 3 for \$1.25.

JERSEY'S BEAUTY. F.D. 8". Clear pink. Truly beautiful. Each \$0.50; 3 for \$1.25.

JOAN FERENZ. I.D. 10". Seedling of Jane Cowl. Canary yellow lightly suffused rose red. Very vigorous bush. Each \$1.00; 3 for \$2.50.

KELVIN. I.D. 12". Massive dahlia of tyrian pink suffused gold. Stocky bush. Large foliage and heavy stem. Each \$1.75; 3 for \$4.25.

KENTUCKY SPORTSMAN. I.D. 10". A striking combination of orange, yellow and rose. Large flower. Each \$1.00; 3 for \$2.50.

KIRSTEN FLAGSTAD. F.D. 10". An enormous early variety of golden apricot on good, long stiff stems. Each \$1.25; 3 for \$3.00.

LOIS WALCHER. F.D. 8". True bicolor of rich pansy purple, heavily tipped white. Exceptionally showy and seldom reverts. Each \$1.00; 3 for \$2.50.

MICHIGAN WHITE. S.C. 8". Extra fine commercial variety. Many perfectly shaped white flowers borne on long, strong stems. Each \$1.00; 3 for \$2.50.

MID-WEST CHAMPION. I.D. 10". Violet rose with shades of yellow at petal base. Large and profuse. Each \$0.75; 3 for \$1.75.

MONARCH. F.D. 10". Huge flowers of rich velvet red. Outstanding garden dahlia. Each \$1.00; 3 for \$2.50.

MRS. GEO. LE BOUTILLIER. F.D. 8". Rich velvety carmine, produces giant flowers on long stems. Good garden variety. Each \$0.50; 3 for \$1.25.

MRS. I. DE VER WARNER. F.D. 10". Bright lilac rose. A must in every garden collection. Each \$0.50; 3 for \$1.25.

OKAILEIGH CHAMPION. I.C. 10". Blend of burnt orange and soft pink with yellow shadings. Outstanding cactus. Each \$1.00; 3 for \$2.50.

RED JERSEY. F.D. 8". Bright red. Good form, color and stem. Late. Each \$0.50; 3 for \$1.25.

RED SPLENDOR. I.D. 8". Bright red cut flower variety. Many flowers. Healthy bush. Outstanding. Each \$1.00; 3 for \$2.50.

RIESEN WUNDER. C. 8". A striking combination or purple-rose with white center. A fine cactus. Each \$1.00; 3 for \$2.50.

ROSE GLORY. F.D. 8". Growth habits similar to Mrs. I. De Ver Warner. Flowers are a sturdy deep rose-pink. Each \$0.50; 3 for \$1.25.

SKYROCKET. S.C. 10". Bright scarlet. Large flowers with perfect form and solid color. Each \$1.25; 3 for \$3.00.

SON OF SATAN. I.C. 10". Intense flame red on excellent stems. Very striking. Each \$1.25; 3 for \$3.00.

THE COMMODORE. I.D. 8". Color is bright lemon yellow. Flowers held high above foliage on long, stiff stems. Very profuse. Each \$0.50; 3 for \$1.25.

THE UNIVERSE. I.D. 10". Deep oxblood red with a definite rose cast. Foliage is very dark and blooms are shaggy and full. Each \$1.00; 3 for \$2.50.

VITALITY. F.D. 10". One of the finest formal yellow varieties. Perfect form and substance. Each \$1.00; 3 for \$2.50.

WATCHUNG GIANT. I.D. 12". A huge yellow gold variety that is a constant performer for garden use. Fine form and substance on good stems. Each \$0.50; 3 for \$1.25.

WHITE KING. F.D. 8". One of the leading pure whites with perfect form and substance on good stems. Each \$0.50; 3 for \$1.25.

WHITE SUPERIOR. C. 8". Large pure white cactus with perfect form and excellent growth habits. Each \$1.00; 3 for \$2.50.

WORLD'S EVENT. I.D. 10". Large tyrian rose flowers on vigorous healthy bushes. Beautiful garden dahlia. Each \$1.00; 3 for \$2.50.

ALL DAHLIA PRICES
ARE PREPAID

8 CHAMPION VARIETIES RAINBOW COLORS

Adolph Mayer.	S.D.	Purple
Red Splendor.	I.D.	Red
Lois Walcher.	F.D.	Purple and White
Butterfly.	I.D.	Orange
The Universe.	I.D.	Red
Faithful.	S.C.	White
Clara Corder.	I.D.	Pink
Joan Ferenz.	I.D.	Yellow

Price—1 each of above 8 (\$8.00 value)
for \$3.95



POMPON DAHLIAS

POMPON DAHLIAS

- BETTY ANN.** A nice little soft pink variety. Each \$0.50; 3 for \$1.25.
- FRAMBOOSJE.** Small flowers of strawberry red. Each \$0.50; 3 for \$1.25.
- LITTLE ELK.** A rich shade of bronze. Each \$0.50; 3 for \$1.25.
- LITTLE HERMAN.** A red and white pompon. Perfect form and shape. Each \$0.50; 3 for \$1.25.
- LITTLE SNOW WHITE.** The finest white pompon. Highly recommended. Each \$0.50; 3 for \$1.25.
- ROTHOUT.** Deep scarlet and a favorite in this color. Long, strong stem. Each \$0.50; 3 for \$1.25.
- SHERRY.** Beautiful shade of petunia purple. Each \$0.50. 3 for \$1.25.

Offer D-5. 1 each of above 7 varieties for \$2.75.

MINIATURE DAHLIAS

- BISHOP OF LLANDORF.** Attractive bright scarlet flower with bronze foliage. Each \$0.50; 3 for \$1.25.
- CORALLETTE.** Clear coral. Excellent cut flower. Each \$0.50; 3 for \$1.25.
- FAIRY.** Clear pink formal. Tall and free flowering. Each \$0.50; 3 for \$1.25.
- IKE.** Rich red, very profuse. Fine cut flower. Each \$0.50; 3 for \$1.25.
- PEGGY LINDLEY.** Clear golden orange on long graceful stem. Excellent keeper. Each \$0.50; 3 for \$1.25.
- TARGET.** Miniature semi-cactus. Fine autumnal shade of bronze-yellow. Each \$0.50; 3 for \$1.25.
- WHITE FAWN.** Without doubt the finest decorative white variety. Extremely free flowering. Each \$0.50; 3 for \$1.25.

Offer D-4. 1 each of above 7 varieties for \$2.75.

MONEY SAVING COMBINATION DAHLIA OFFERS

- OFFER D-1.** One tuber each Arthur Godfrey, Deep Velvet, Five Star General, Jane Lausche, Kirsten Flagstad, Skyrocket, and White Superior. Price—Above 7 (\$9.25 value) for \$6.75
- OFFER D-2.** One tuber each Berger's Masterpiece, D. Day, Deuil du Roi Albert, Mid-West Champion, Monarch, Kentucky Sportsman, and Michigan White. Price—Above 7 (\$6.50 value) for \$4.50
- OFFER D-3.** One tuber each Avalon, Commando, Eastern Echo, Red Jersey, Jean Kerr, Jersey Beauty, Watchung Giant, and Rose Glory. Price—Above 8 (\$4.25 value) for \$3.25



Tropical and Hardy Water Lilies

TWO TROPICAL \$4.50 Water Lilies

(Catalog Value \$5.25)

One each Blue Beauty (Sky blue);
Missouri (White night bloomer).

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno, Hitchcock, and Rubra Rosea.

AUGUST KOCH. Medium sized lovely lavender flowers. Free flowering. \$2.50

FRANCES GRIFFITH. Outstanding royal purple. Best of its color. \$2.75.

MRS. W. R. JAMES. A finer pink than Pershing. Huge flowers. \$2.50.

BLUE BEAUTY. Huge sky-blue. Most vigorous \$2.50

MRS. GEORGE PRING. Star-shaped white flowers, free-blooming. \$2.50.

MISSOURI. Huge white flowers open at night. \$2.75.

JUNO. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. \$2.75.

MRS. GEORGE C. HITCHCOCK. A pure rose pink night bloomer. Free blooming and of unusual size. \$2.75.

PINK PEARL. Brightest pink of lovely form. \$2.50

RUBRA ROSEA. Brilliant rosy carmine. \$2.25.

TWO HARDY \$3.50 Water Lilies

(Catalog Value \$4.50)

One each of Gloriosa (Carmine rose) and Chromatella (Canary yellow). Two unusual and beautiful varieties seldom offered in collections.

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

ATTRACTION. Garnet red with ruby shading. Finest red. \$3.00.

CHROMATELLA. Pure canary yellow. Very vigorous and free flowering. \$2.25.

COMANCHE. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water like tropical water lilies. \$2.25.

ESCARBOUCLE. Brightest crimson and scarlet. Very striking. \$3.00.

GLORIOSA. Deep carmine rose. Free and vigorous. \$2.25.

HERMINE. A star-shaped white of clear, luminous texture. \$2.50.

JAMES BRYDON. Rosy crimson, small growth. Good for tubs. \$3.00.

PAUL HARIOT. Opens soft, clear yellow, deepens to apricot. \$2.25.

PINK OPAL. Although new, so vigorous that the price is low. Deepest pink of great beauty. \$2.00.

SIoux. Largest of the sunset tints. Opens brassy yellow, deepens to blood red. \$2.00.

SOMPTUOUS. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. \$2.25.

POPULAR AQUATIC PLANTS

*Anacharis	3 for \$1.00
*Cabomba	3 for \$1.00
Corkscrew Vallisneria	Dozen, \$0.90
Floating Elodia	Each, \$0.90
Italian Vallisneria	Dozen, \$0.90
*Water Fern	3 for \$1.00
*Water Hyacinths	3 for \$1.00
*Water Poppy	3 for \$1.00

*MINIMUM ORDER THREE

COLLECTIONS OF

Oxygenating and Ornamental Aquatic Plants

1. Collection for small Aquariums, \$2.00.

Italian Vallisneria
Sagattaria Natans
Elodia

Corkscrew Vallisneria
Anacharis
Water Sprite

2. Collection for medium sized, \$3.00.

Italian Vallisneria
Sagattaria Natans
Elodia
Sagattaria Subulatta
Cabomba

Corkscrew Vallisneria
Anacharis
Water Sprite
Lysmachia
Amazon Sword Plants

3. Collection for Outside Pools, \$4.00.

Italian Vallisneria
Sagattaria Natans
Elodia
Sagattaria Subulatta
Cabomba
Water Poppy
Water Hyacinths

Corkscrew Vallisneria
Anacharis
Water Sprite
Lysmachia
Amazon Sword Plants
Water Ferns
Duckweed

Orders for the above three collections filled only as specified. No split orders accepted.

For prepaid delivery add 10c each to hardy varieties and 25c to tropicals.

New Hardy Everblooming Hybrid Tea Roses



PEACE. The Most Beautiful Rose in the World Today AARS 1946 (Patent 591). Peace is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream and ivory, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each \$2.50; 3 for \$6.75.

Price of the following varieties: Each, \$2.50; 3 of one kind for \$6.75

CHRYSLER IMPERIAL. AARS. 1953. (Pat. 1167). A magnificent rose which we believe will head the list of all red roses for many years. Its vivid, iridescent shades of crimson are enhanced by darker overtones of glowing oxblood red, and the gem-like lustre of garnet, yet attain a brilliance unsurpassed in light. Long, tapering buds unfold even in adverse weather to large, high centered flowers measuring 4½ to 5 inches with 40 to 50 petals. Flowers come singly, in constant succession, and keep remarkably well, lasting up to one week when cut; and they have all you could ask for in fragrance. Compact, symmetrical bushes with abundant, semi-glossy foliage right down to the ground.

FORTY-NINER. AARS 1949 (Pat. 792). A brilliant bi-color. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into well-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. Mild, pleasant fragrance.

FRED HOWARD. AARS 1952 (Pat. 1006). Produces quantities of fully double flowers with a high center that are of a rich buff-yellow lightly brushed with burnished gold and pink. Exceptionally strong and hardy, it blooms steadily from early spring to late fall. Flowers have exceptional keeping qualities and pleasing fragrance. A "must" for all rosarians.

HELEN TRAUBEL. AARS 1952. (Pat. 1028.) A magnificent rose of sparkling pink to luminous apricot that everyone is singing about. It's an ideal rose for cutting with buds which are unusually large, long and tapered, and which open into big petaled blooms often 6 in. across, borne singly at the end of long stems. Spicy fragrance.

PRESIDENT EISENHOWER. (Pat. 1217). See page 1.
SUN VALLEY. (Pat. 1135). See page 1.

FOUR OF THE WORLD'S MOST BEAUTIFUL ROSES

SPECIAL OFFER NO. 805A. One each of Chrysler Imperial, Helen Traubel, Mojave and Peace (value \$10.25) for \$9.25 postpaid

AARS. These are Roses selected by the Rose Council after two-year tests in 22 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety you get the best.

MOJAVE. AARS 1954 (Pat. 1176). The finest orange colored rose today. Lots of beautifully tapered buds open to big, pleasantly fragrant, richly colored blooms of glowing orange shot with flame-like tones of scarlet and vermillion. Tall, vigorous plants; shiny foliage. \$2.75; 3 for \$7.50.

GOLDEN MASTERPIECE. (Pat. 1284). Enormous, fragrant, golden yellow flowers with high centers. Glossy foliage on a strong plant. \$2.75; 3 for \$7.50.

TIFFANY. AARS 1955. (Pat. App. For). See page 1.

Price of the following five varieties: Each, \$2.25; 3 of one kind for \$6.25

CHARLOTTE ARMSTRONG. AARS 1941 (Pat. 455). An amazingly beautiful Rose with long, slender blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut.

FIRST LOVE. (Pat. 921). Exquisitely graceful, long tapering buds in a delightful shade of pale dawn pink. The flowers, often tinted with pastel shades of salmon, orchid and rose, are borne in profusion, each on a long stem, perfect for cutting. Tall, bushy plants.

MIRANDY. AARS 1945 (Pat. 632). The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous chrysanthemum-red. The huge 50-petaled flowers are long lasting and have a wonderful fragrance.

SUTTER'S GOLD. AARS 1950 (Pat. 885). Long, pointed, bright yellow buds, richly shaded with orange and red, open to high centered flowers of rich orange-gold, shading down to various yellows. Produces great quantities of buds all season. Delightful tea fragrance

WHITE SWAN. (Pat. 1115). Long-pointed buds of alabaster-white open slowly to elegant, high centered flowers of dazzling pure white, up to 4 in. across. Blooms all summer on tall strong plants. Excellent exhibition variety.

Dust or Spray Regularly with "VAUGHAN'S ROSE AND PLANT DUST" (see page 9) and you will have few, if any, rose troubles.

Price of the following seven varieties: Each, \$2.00; 3 of one kind for \$5.50

CAPISTRANO. AARS 1950 (Pat. 922). This is a magnificent rose in every way. The big long, beautifully formed buds open to extremely large, full blooms of a deep, glowing rose-pink which does not fade. Fine cut flower on extra long, heavy canes. Excellent keeping qualities.

GOOD NEWS. (Pat. 426). Buds of deep coppery pink open slowly to great 60 petaled blooms with a glowing, coppery center, toning to shell-pink on outer petals. Rich tea fragrance. A vigorous healthy plant almost continuously in bloom. We think this is the "perfect rose" for it has no faults and has all you could wish for in a flower.

LOWELL THOMAS. AARS 1944 (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

MISSION BELLS. AARS 1950 (Pat. 923). One of the freest flowering hybrid tea roses. Its pointed, well shaped buds of beautiful, deep salmon-pink open to richly fragrant, full, high centered blooms of clear shrimp-pink. Vigorous, heavily branched plants, abundantly clothed with disease resistant, coppery green foliage.

NEW YORKER. (Pat. 823). A brilliant red rose that stays red, clear and sparkling, until the last petals fall. Flowers are fragrant, beautifully formed, and of tremendous size, often 6½ inches across. Blooms continuously.

NOCTURNE. AARS 1948 (Pat. 713). The ideal, well formed buds have an unusual elegance, being long-pointed and perfectly shaped. They open to large, cupped blooms of cardinal-red with intriguing darker shadings of Chrysanthemum-crimson. The plants are upright, vigorous, have luxuriant foliage and produce a wealth of bloom

TALLYHO. AARS 1949. (Pat. 828). Another bicolor of a new and unusual blend. Inside its petals are a beautiful shade of pink, and the reverse a rich crimson. Long tight buds open into lovely full blooms, long lasting when cut. Rich spicy fragrance. It is a vigorous grower, has disease resistant foliage, and constant bloom

MABELLE STEARNS ROSE. (Pat. 297.) Perpetual Flowering Dooryard Rose. The very hardy plants grow 2 feet high and will spread 6 to 8 feet or more if permitted. The full double, fragrant flowers of peach blossom-pink are produced in panicles from June until frost, and are excellent for cutting. \$2.00; 3 for \$5.50.

OUR SELECTION

TOP 10 AARS ROSES

SPECIAL OFFER 805B. One each of the following All-American Winners: Charlotte Armstrong, Chrysler Imperial, Forty-Niner, Helen Traubel, Katherine T. Marshall, Lowell Thomas, Mirandy, Mojave, Nocturne, and Peace (value \$23.00), for \$21.00 Postpaid.

Price of the following four varieties: Each, \$1.75; 3 of one kind for \$5.00

HEART'S DESIRE. AARS 1942 (Pat. 501). This 1942 winner really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous grower.

KATHERINE T. MARSHALL. AARS 1944 (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower.

RUBAIYAT. AARS 1947 (Pat. 758). This rose performs magnificently all season. It is a prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Delicious fragrance.

WILL ROGERS. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. Does best in semi-shade.

6 TOP RATED ROSES \$7.75

Catalog Value \$9.00.

These 6 roses listed below are all extra fine varieties with a high National Rating given them by the American Rose Society. Price: Each, \$1.50; 3 of one kind for \$4.25.

COUNTESS VANDAL. Here in one flower are blended all the beguiling tricks known to roses. Full blooms, sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold, excellent for cutting.

CRIMSON GLORY. We consider this the finest of all red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded oxblood red and mellowed by a soft velvety nap. Vigorous growth.

ECLIPSE. This rose is famous for its long, streamlined buds of clear, bright yellow which open to large semi-double, blooms, lasting well. An abundant bloomer which grows well everywhere.

McGREY'S IVORY. "The perfect white rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. Moderately fragrant.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettias scarlet blooms. Very fragrant.

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting.



CRIMSON GLORY

EVERBLOOMING HYBRID TEA ROSES

All-Time Favorites

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Each: \$1.50; 3 of one kind for \$4.25

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance.

ETOILE DE HOLLANDE. A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant.

FRAU KARL DRUSCHKI. (White American Beauty). (Hybrid Perpetual). Pure white, long, immense buds; double flowers. Tall, strong grower.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

JOANNA HILL. Very popular Rose and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form.

MCGREDY'S YELLOW. Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped; with a mass of golden anthers glorifying the center. Slightly fragrant.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with bluish pink; fragrant. Plant exceptionally strong and continuously in bloom.

MRS. CHARLES BELL (SHELL-PINK RADIANCE). An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

NIGGER BOY. Here is a rose that has everything. Like the Floribundas, it is continuously in bloom, and produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory.

PICTURE. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone.

PRESIDENT HERBERT HOOVER. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink, and rich cream veined with scarlet. Superb buds; large flowers, lasting well.

RADIANCE. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

SNOWBIRD. The long pointed buds open into full double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting.

TREE ROSES

"The Crowning Glory of any Garden"

Standard or Tree-shaped Roses are grown by budding the desired variety into a tall straight stalk at a height of 3 ft. The bushy head usually produces more flowers and larger ones than the bush type of the same variety. We offer the following: Helen Traubel New Yorker or Fred Howard (see opposite page for description of each variety) each, \$7.50.

All plants listed are dormant. Northern grown 2 yr. No. 1 grade. Roses should be planted as early as soil conditions permit.

We suggest that you order early. Should we be sold out of a variety you order, we will send another variety of the same color, and of equal or greater value, unless requested not to do so.

All Roses are shipped postpaid if your order totals \$3.00 or over for shipment to one address. With orders for less than \$3.00, add 35c for postage and handling. (No Roses are shipped C.O.D.).

A Good Growing Tip

As soon as received, soak the roots of Roses in a pool of water for 12 to 24 hours. Then, when pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

Everblooming Floribundas



JIMINY CRICKET AARS 1955. (Pat. App. For). See page 1.

These Roses are among the hardest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are almost as large as those of the Hybrid Teas, but are borne in clusters which are very showy in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border, for bedding, for foundations or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer

PATENTED FLORIBUNDA ROSES

CRIMSON ROSETTE. (Pat. 901). Huge clusters of buds cover the branches and open slowly to medium-sized, fifty-petaled flowers of vivid crimson. They last for days when cut. The plants are extra strong in growth with good foliage and one crop of flowers is quickly followed by another. \$1.75; 3 for \$5.00.

FASHION. AARS 1952 (Pat. 789). See page 1
GARNETTE. The petite flowers are a deep garnet-red and are borne in clusters of 15 to 20 on 18 inch plants; crinkled holly-like foliage. The flowers have extremely long lasting qualities both on the bush and when cut. \$1.75; 3 for \$5.00.

GLACIER. (Pat. 1025). Glistening white buds open slowly to immaculate white flowers, up to 4 in. across. They last unusually well and have moderate fragrance. \$2.25; 3 for \$6.25.

GOLDBLOCKS. (Pat. 672). See page 1.
INDEPENDENCE. (Pat. 1036). Unfading, vivid orange scarlet or firecracker red blooms of hybrid tea form and size in clusters of 6 or more. Compact bushy plants; quantities of rich, glossy foliage. Bright-showy-outstanding. \$2.00; 3 for \$5.50.

LILIBET. (Pat. 1209). AARS 1954. Commemorates the childhood nickname of Queen Elizabeth II. Exquisite in its delicate, almost fragile appearance of light rose coloring, melting into a type of dawn pink during its progressive stage of bloom. The plant blooms almost continually. The well formed clusters of small roses with great masses of pink blooms and vigorous, dense foliage makes Lilibet a model rose for either single plantings or for hedge. \$2.00; 3 for \$5.50.

MA PERKINS. AARS 1953 (Pat. 1143). See page 1.
PINOCCHIO. (Pat. 484). Profuse bloomer in immense clusters with delightful flowers of a two-tone pink color. Buds long and pointed, open flowers like miniature hybrids teas. \$1.50; 3 for \$4.25.

RED PINOCCHIO. (Pat. 812). See page 1
ROUNDELAY. (Pat. 1280). (Grandiflora type). The dark red buds open to satiny brilliant red blooms of the best Hybrid Tea form but there will be three times as many. Plant robust, vigorous and disease free. The flowers are produced on long stems, are long lasting and fragrant. \$3.00; 3 for \$8.25.

VOGUE. AARS 1952 (Pat. 926). All-America Winner for 1952. A fine floribunda featuring a glowing cherry coral color and flowers of perfect hybrid tea form. Plant is particularly resistant to the common diseases which attack garden roses. \$2.00; 3, \$5.50.

WORLD'S FAIR. (Patent No. 362). Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. \$1.50; 3 for \$4.25.

PARK ROSE MANDARIN. (Patent No. 1040). Large clusters of fragrant 3 to 4 in. Hybrid-Tea like flowers of beautiful oxblood-red. Like all Park Roses, it is continuous blooming and is effective for taller hedges, foundation or background plantings. \$1.50; 3 for \$4.25.

4 TOP RATED FLORIBUNDAS

These all have a high National Rating given them by the American Rose Society.

Each: \$1.50; 3 of one kind \$4.25

ELSE POULSEN. Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy

FRENSHAM. An English Gold Medal Winner that is "going to town" in America, and no wonder, for one of its parents is Crimson Glory, highest rated of all red roses. It is the perfect red floribunda with exquisite buds and beautiful color. Robust healthy plants, 3 ft. high and about as wide, loaded all season with large trusses of semi-double flowers. Long lasting when cut and unsurpassed for arrangements. Slightly fragrant.

FLORADORA. AARS 1945. Spectacular and profuse blooming variety with well-shaped double flowers in a dazzling geranium or brick-red color. Keeps beautifully when cut. Tall grower with shiny, holly-like foliage.

ROSE ELFE. Unusually beautiful, silvery rose-pink flowers of gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer.

SPECIAL OFFER NO. 815. One each of the above 4 Floribundas (value \$6.00), for \$4.95.

FLORIBUNDA ROSES

Each \$1.50; 3 of one kind for \$4.25

DAGMAR SPATH (WHITE LAFAYETTE). Large trusses of pure white sometimes tinged pink at edges, semi-double flowers, produced freely all summer. Excellent for cutting.

IMPROVED LAFAYETTE. An unusually prolific large flowering variety; very showy and fine for mass plantings. Buds deep crimson, opening cerise-red.

PINK GRUSS AN AACHEN. Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces constant bloom.

POLYANTHA ROSES

These Roses are everblooming, hardy and have large flower clusters, like the Floribundas, but the individual flowers are smaller and the plants are more dwarf. \$1.50; 3 of one kind, \$4.00.

GLORIA MUNDI. Full double flowers of most brilliant orange scarlet. Continuous blooming, giving a rich colorful effect.

MARGO KOSTER. Very dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

MOTHER'S DAY. A new deep red form of Margo Koster. A profuse bloomer. Beautiful small glossy foliage.

EXTRA HARDY RUGOSA ROSES

Everblooming, shrub-like roses, growing 5 to 6 ft. tall 2 year, each \$1.50; 3 of one kind, \$4.25.

HANSA. Double, reddish-violet flowers of large size, freely produced. Very sweet scented.

F. J. GROOTENDORST. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost.

PINK GROOTENDORST. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink.

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

CINDERELLA. (Pat. 1051). Velvety white, sometimes tinted delicate cameo-pink. The plants are thornless and the tiny 1 in. blooms have 40 to 60 petals. \$1.25; 3 for \$3.45.

RED IMP. (Pat. 1032). Very double, deep rich crimson that is startling in its brightness. \$1.00; 3 for \$2.75.

TINKER BELL. (Pat. App. For). The bright vivid pink, 1½ in. blooms are very double with 55 to 65 petals; unusually long lasting. \$1.25 3 for \$3.45.

SPECIAL OFFER NO. 815A. One each of the above 3 Miniature Roses for \$3.20.

ROSE HARRISON'S YELLOW

This is the rose of olden times, growing 4 to 5 ft. tall. Its semi-double, deep golden yellow flowers make a spectacular display in June. 2 yr. \$1.65; 3 for \$4.50.

Climbing Roses—Hardy Climbing Vines



CLIMBING ROSE NEW BLAZE

Price of the following eight varieties
Each, \$1.50; 3 of one kind, \$4.25

NEW BLAZE. A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. This new improved strain will bloom all summer.

BONFIRE. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

CITY OF YORK. Heavy bloomer of lovely, long lasting, cupped, 3-inch semi-double flowers of creamy-white. Hardy; strong grower. Very fragrant.

CLIMBING AMERICAN BEAUTY. Fragrant, long stemmed, deep rose-pink flowers, 3 to 4 inches across, produced freely in June.

GOLD RUSH. A vigorous climber, producing masses of rich golden yellow flowers of excellent form and substance. Repeats bloom on its new growth for the season; glossy foliage.

NEW DAWN. The long stemmed, beautifully formed flowers of soft apple-blossom pink and hybrid tea size are freely produced all summer. Hardy; vigorous.

PAUL'S SCARLET CLIMBER. This strong climber is sensational in spring; none can compare with it for brilliancy of color, which is a vivid scarlet.

PRIMROSE. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

SPECIAL OFFER NO. 825A: One each of New Blaze, Gold Rush and The New Dawn, 3 Roses, (value \$4.50) for \$4.00.

NEW PATENTED CLIMBING ROSES

CLIMBING CRIMSON GLORY. (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. \$2.50; 3 for \$6.75.

CLIMBING GOLDOLOCKS. (Pat. 1090). This lovely climbing variety of the famous Floribunda Goldilocks is an everblooming rose that will truly give you a "Sheet of Gold". \$2.50; 3 for \$6.75.

CLIMBING PEACE. (Pat. 932). A climbing sport with blooms identical with those of the bush Peace rose. Hardy here so far, making big beautiful plants, but should have winter protection. \$2.00.

CLIMBING PINNOCHIO. (Pat. 1142). Vigorous everblooming climber with flowers identical to the famous Floribunda Pinnocchio. \$2.50; 3 for \$6.75.

DR. J. H. NICOLAS. (Pat. 457). Everblooming deep rose-pink. Magnificent, very double deeply fragrant blooms like the Hybrids Teas. \$2.00.

ORANGE EVERGLOW. (Pat. 505). New hardy everblooming climber featuring beauty, fragrance, and vigor. Color dazzling coppery orange. \$2.00.

THOR. (Giant Scarlet Climber). (Pat. 387). Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed; 4 to 5 inches across, have 55 to 60 petals and are produced abundantly. Very hardy, \$2.00.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., \$1.25; 3 for \$2.75; 10, \$8.00.

LARGE-FLOWERING CLEMATIS

HENRYI. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

JACKMANI. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

MME. EDWARD ANDRE. Very beautiful bright velvety red, free-flowering and continuous bloomer.

RAMONA. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue. Prices of the above 4 varieties: 2-year, each, \$1.75.

GOLD MEDAL COLLECTION. One each Jackman, Henryi and Mme. Edward Andre, 2-year for \$4.50.

THREE FINE NEW CLEMATIS

CRIMSON STAR. Spectacular flowers of true rich red. A hybrid of the famous Jackmani, but with more and larger blooms on a plant of unusual vigor. \$2.00; 3 for \$5.50.

LORD NEVILLE. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$2.00; 3, \$5.50.

NELLY MOSER. Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. \$2.00.

DELUXE COLLECTION. One each of Nelly Moser, Crimson Star and Lord Neville, 2-year for \$5.35.

SWEET AUTUMN CLEMATIS

CLEMATIS PANICULATA. The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small flowered vines. 2 yr., \$1.35; 3 for \$3.60.

CREEPER (Ampelopsis)

BOSTON IVY (A. TRICUSPIDATA OR VEITCHII). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, \$1.25; 3 for \$3.00; 10 for \$8.50.

ENGELMAN'S CREEPER (A. ENGELMANI). One of the hardiest, best and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-year, \$1.10; 3, \$2.55; 10, \$7.50.



SILVER LACE VINE

POLYGONUM AUBERTI. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., \$1.50; 3 for \$4.20.



WISTARIA

CHINESE WISTARIA (WISTARIA SINENSIS). Blooms very profusely early in summer; flowers violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., \$1.75.

PINK WISTARIA (WISTARIA MULTIJUGA ROSEA). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, \$1.75; 3 for \$4.80.

WHITE CHINESE WISTARIA (WISTARIA SINENSIS ALBA). Pure white, fragrant, 2 yr. grafted. \$1.75.

DUTCHMAN'S PIPE

ARISTOLOCHIA SIPHO. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It thrives in sun or shade. 2 yr., grafted \$2.50; 3, \$6.75.

HONEYSUCKLE (Lonicera)

EVERBLOOMING HONEYSUCKLE (LONICERA HECKROTTI). Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., \$1.35; 3 for \$3.60.

HALL'S HONEYSUCKLE (L. JAPONICA HALLE-ANA). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., \$1.00; 3 for \$2.25; 10, \$5.00; 100, \$45.00.

CLIMBING HYDRANGEA

HYDRANGEA PETIOLARIS. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$2.50; 3, \$6.75.

KUDZU or

Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. \$1.00; 3 for \$2.10, \$5.00.

TRUMPET CREEPER

BIGNONIA RADICANS. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., \$1.10; 3 for \$2.40.

BIGNONIA MME. GALEN. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$1.75.

All Climbing Roses and Vines are shipped postpaid if your order totals \$3.00 or over for shipment to one address. With orders for less than \$3.00, add 35c for postage and handling. (No plants are shipped C.O.D.)



3 of the WORLD'S BEST PEONIES \$7.00

One each as listed below (value \$8.00)

MRS. F. D. ROOSEVELT. (9.3) This is a strong grower and a dependable, free bloomer. Flowers double with extra loose petals of soft rose-pink. A wonderful variety, considered by many "The world's most beautiful Peony." **\$3.50.**

MYRTLE GENTRY. (9.1) Immense flowers of wonderful substance on stiff stems. Color beautiful light pink, changing to rosy white, with tints of flesh and salmon. Tea rose fragrance. Late midseason. Often called "the perfect peony." **\$2.00.**

PHILIPPE RIVOIRE. (9.2) Very dark crimson with velvety sheen. Perfectly formed, cup-shaped flowers with incurved center; delightfully fragrant; late. It is distinctly different and is the most beautiful and highest rated of all red Peonies. **\$2.50.**

4 CHAMPION PEONIES \$4.50

One each as listed below (value \$6.50)

MARTHA BULLOCK. (9.1) The gigantic, cupped shaped flowers of bright old-rose pink are often 9 to 12 inches in diameter. Fragrant. Late. **\$2.00.**

RICHARD CARVEL. (8.8) Large globular flowers, all one shade of bright crimson. Tall, very stout stems, annual and profuse bloomer. Delicate fragrance. Early, usually in bloom for Decoration Day. **\$1.50.**

SARAH BERNHARDT. (9.0) A prolific bloomer of beautiful dark rose-pink flowers on tall stems. An extra fine cut flower and show variety. **\$1.50.**

SOLANGE. (9.2) Beautiful large, high built flowers with thick petals of deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart. Late. **\$1.50.**

3 FINE PEONIES \$2.75

One each as listed below (value \$3.25)

EDULIS SUPERBA. (7.6) The large flowers of beautiful red, vivid pink are usually in bloom for Decoration Day. Very fragrant. **\$1.00.**

FELIX CROUSSE. (8.4) Its large, globular flowers, solid and compactly built from edge to center, are a rich, even brilliant, dazzling ruby-red. Late mid-season. **\$1.25.**

FESTIVA MAXIMA. (9.3) Old, but highly desirable. Fragrant. White, dotted carmine blooms are often 7 to 8 inches in diameter. Early **\$1.00.**

Seven Iris Aristocrats \$3⁵⁰

CATALOGUE VALUE \$5.70

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

AZURE SKIES. 36 in. A perfectly formed, ruffled azure blue self with flaring falls. A serenely trim iris with firm crisp petals. One of the loveliest of all blue irises. **60c; 3 for \$1.50.**

BERKELEY GOLD. 38 in. This top ranking yellow Iris should sell for more. It is a large deep clear yellow self of fine form and heavy texture. Stands rain, hot weather, and does not fade. **60c; 3 for \$1.50.**

BLUE RHYTHM. 40 in. Extra large flowers of cornflower blue with a silvery sheen, on beautifully branched stalks. Head of its class in the midblues. Dykes Medal 1950. **\$1.00; 3 for \$2.50.**

GARDEN FLAME. 34 in. A large, richly colored iris of deep rose-mahogany with very broad petals. Ranks with the top red irises. Late. **\$1.00; 3 for \$2.50.**

CHINA MAID. 48 in. Words are inadequate to describe this intriguing blend of pink, golden copper and soft lilac. Besides having a beautiful color, it has large size, fine form and a smooth texture. **75c; 3 for \$2.00.**

LADY MOHR. 36 in. For the Iris that is "different" in your garden, this is it! An exotic combination of huge, oyster-white standards, slightly fluted; falls of frosted chartreuse, with prominent veining and a dark patch by the beard. **\$1.00; 3 for \$2.50.**



IRIS—Berkeley Gold

SABLE. 40 in. Excellent form, hardiness, and good bloom every year are some of the qualities which make this variety a prize-winner. An almost perfectly black Iris with a lustrous, silky sheen and an intense depth of color never before seen. **75c.**

5 IRIS CHAMPIONS FOR \$4.00

BLUE SHIMMER. 38 in. Extremely large flowers of a beautiful sparkling white, dotted and peppered all over with clear blue. **\$1.00; 3 for \$2.50.**

ELMOHR.—The Colossal Iris. 36 in. Huge richly colored Iris of reddish mulberry with a pinkish glow that gives it great brilliance. **\$1.00.**

OLA-KALA. 36 in. Beautiful rich, deep yellow ruffled flowers with flaring falls. Intensely brilliant, almost orange. **\$1.00; 3 for \$2.50.**

RANGER. 36 in. Very dark true crimson red. Long, large blooms of firm texture. A sure producer of flowers. **\$1.50; 3 for \$4.00.**

THREE OAKS. 38 in. A huge, glowing rose-pink blend, overlaid rosy copper with a lovely blue blaze on the falls; pleasantly ruffled. **\$1.00; 3 for \$2.50.**

Ground Cover Plants

HARDY ENGLISH IVY

HEDERA HELIX BALTICA. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. $2\frac{1}{4}$ in. pots, 3 for **\$2.00; 10, \$6.50; 100 \$40.00.**

DWARF LACE PLANT

POLYGONUM REYNOUTRIA. A new ground cover plant, growing 4 to 8 inches tall, that does best in full sun. Very hardy and grows quite rapidly from underground runners. The pale green foliage turns brilliant red in fall. Fleecy-like pink sprays of flowers, not unlike the Silver Lace Vine, are produced in September. Plant 18 inches apart. Each **\$1.10; 3, \$2.35; 10, \$6.75.**

JAPANESE SPURGE

PACHYSANDRA TERMINALIS. An excellent ground cover plant, growing 4 to 6 inches tall, that is unsurpassed where an evergreen carpet is required, especially in shady areas, where grass will not grow. Does well under trees, shrubs or evergreens or on steep terraces. Spring flowering bulbs may be planted in it. Plant 6 to 12 inches apart. Potted plants, 3, **\$1.75; 10, \$4.50; 100, \$37.00.**

WINTERCREEPER (Euonymus)

PURPLELEAF WINTERCREEPER (E. RADICANS COLORATA). Named for its winter foliage. Plant an excellent ground cover; glossy green in summer. $2\frac{1}{2}$ in. pots, **\$1.25; 3, \$3.00; 10 for \$9.00.**

BIGLEAF W. or EVERGREEN BITTERSWEET. (E. RAD. VEGETUS): Evergreen trailer with round, thick leathery leaves; gorgeous orange berries in winter. Very hardy; does well in sun or shade. Handsome among evergreens or as a ground cover or will climb on brick or stone. Illustrated below. Strong pot-grown plants, 10 to 15 in., **\$1.75; 3, \$4.50.**

Ask for our "Complete List of Iris." We have a large assortment, including Japanese, Dwarf and Fall Blooming Irises.

Newer Daylilies

HEMEROCALLIS

DUCHESS OF WINDSOR. 2-2 $\frac{1}{2}$ ft. Wide petaled blooms of deep cream shading to soft golden yellow with rose tinted throat. July-Aug. **\$1.25; 3 for \$3.00.**

HYPERION. 3-3 $\frac{1}{2}$ ft. Not new, but still one of the finest of all Daylilies. Giant amaryllis-like flowers of citron yellow; delightfully fragrant. July-Aug. **\$1.00; 3 for \$2.50.**

LINDA. 3 ft. A ruffled flower of amber yellow lightly washed with rosy pink shades. Beautiful deep rose eye zone. July. **75c; 3 for \$2.00.**

MARY GUENTHER. 3 ft. Our favorite bicolor with outstanding colors of brilliant carmine-red and clear yellow. Evergreen. July. **\$1.00; 3 for \$2.50.**

MOROCCO RED. 3 ft. Brilliant flower of velvety Morocco red extending to the heart of the flower, leaving a very small orange cup. July. **\$1.25; 3 for \$3.00.**

PINK CHARM. 3 $\frac{1}{2}$ ft. Beautiful large star-like flowers with recurved petals of coppery rose-pink with a light yellow center. July. **\$1.75; 3 for \$4.50.**

SPECIAL OFFER: 83B. One each of the above 6 newer Hemerocallis (value \$7.00) for **\$5.95** postpaid.

STANDARD VARIETIES

AUREOLE. 2 ft. Deep orange with a bronze reverse. May-June. **60c; 3 for \$1.50.**

KWANZO FLORA PLENA. 3 ft. Showy double orange shaded crimson. July-Aug. **60c; 3 for \$1.50.**

MARGARET PERRY. 3 $\frac{1}{2}$ ft. Brilliant orange scarlet lined with yellow. July-Aug. **60c; 3 for \$1.50.**

MIKADO. 3 ft. Rich orange yellow with deep mahogany red throat. July. **60c; 3 for \$1.50.**

OPHIR. 4 ft. Produces quantities of giant, waxy golden yellow blooms up to 5 in. across. Very fragrant. July. **75c; 3 for \$2.00.**

SOVEREIGN. 2 ft. Soft chrome yellow shaded brown on the outside; fragrant. May-June. **60c; 3 for \$1.50.**

SPECIAL OFFER 83A. Two each of the above 6 Hemerocallis (value \$7.50) for **\$5.75** postpaid.

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WINTER CREEPER

Flowering Shrubs for Home Grounds



BUDDLEIA (Butterfly Bush)

ALMOND (Prunus)

DOUBLE PINK FLOWERING ALMOND (PRUNUS GLANDULOSA SINENSIS). 4 to 6 ft. These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small, very double pink, rose-like flowers that are closely set along the branches. 18 to 24 in. \$1.50; 3 for \$4.20. 2 to 3 ft. \$1.75; 3 for \$4.95.

BARBERRY (Berberis)

GREEN LEAVED BARBERRY (B. THUNBERGI). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., \$1.00; 3, \$2.25; 10, \$7.00; 100, \$65.00.

MENTOR BARBERRY (B. MENTORENSIS). 3 ft. (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 15 to 18 in., \$1.25; 3 for \$3.45.

RED-LEAVED BARBERRY (B. THUN. ATROPURPUREA). 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., \$1.25; 3 for \$3.45; 10 for \$9.00.

BEAUTYBUSH (Kolkwitzia Amabilis)

6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. 2 to 3 ft., \$1.75; 3 for \$4.95. 3 to 4 ft., \$2.00; 3 for \$5.55.

BRIDALWREATH (Spiraea)

S. VAN HOUTTE. 5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., \$1.25; 3 for \$3.45. 3 to 4 ft., \$1.35; 3 for \$3.75.

CARYOPTERIS BLUE MIST

HARDY BLUE SPIREA. 2-3 ft. Covered with numerous clusters of blue, fringed flowers from August until autumn frost. Foliage silvery green in color. Excellent border shrub. 18 to 24 in., \$1.35; 3 for \$3.75.

CHINESE ELM HEDGING

ULMUS PUMILA. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, \$2.00; 50, \$7.50; 100, \$13.50.

COTONEASTER

ACUTIFOLIA (Peking). 5 to 10 ft. Small leathery leaves of rich glossy green on willowy brown branches closely set with small pink flowers in May; jet black berries in fall. It is a beautiful shrub and makes one of our finest hedges due to its upright growth and adaptability to dry situations. Can be trimmed like Privet. Recommended in the North where hedge plants must be extremely hardy. 2 to 3 ft., \$1.35; 3 for \$3.75; 3 to 4 ft., \$1.50; 3 for \$4.20; 10 for \$13.50.

DIVARICATA. 5 ft. Low growing, much branched shrub excellent for hedges of medium height. Foliage small and round, highly polished dark green. Small, red fruits add to its beauty. Choice 2 to 3 ft. \$2.00; 3 for \$5.55.

FOUR NEW BUDDLEIAS \$3.95 (BUTTERFLY BUSHES OR SUMMER LILACS)

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

DUBONNET. 4 ft. The color, matches that of the French Dubonnet wine, glowing red in the sun.

FASCINATING. 4 ft. A glorious variety, bearing elegant, extra long sprays of orchid-pink blooms.

ORCHID BEAUTY. 3 to 4 ft. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

ROYAL PURPLE. 3 to 4 ft. Very shapely, extra long, full spikes of brilliant, glowing red-purple color. Each \$1.35; 3 for \$3.75.

DOGWOOD (Cornus)

REDTWIG DOGWOOD (C. Alba Sibirica). 6 to 10 ft. Bright coral-red branches. 2 to 3 ft. \$1.35; 3 for \$3.75. 3 to 4 ft. \$1.50; 3 for \$4.20.

GOLDENTWIG DOGWOOD (Stolonifera Flaviramea) 6-10 ft. A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. Hardy. 2 to 3 ft. \$1.35; 3 for \$3.75.

EUONYMUS

ALATUS COMPACTA. (Dwarf Burning-Bush.) 4 to 6 ft. Bark cork-like and curiously winged; leaves small; fruit red, in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 18 to 24 in., \$3.00; 3 for \$8.25.

EUROPAEUS (European Spindle Tree). A tall, erect shrub, from which orange-colored berries hang on slender threads. 3 to 4 ft. \$1.50; 3 for \$4.20.

FIREBUSH OR FLOWERING QUINCE

CYDONIA JAPONICA. 4 to 5 ft. Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., \$1.25; 3 for \$3.45.

CYDONIA UPRIGHT SCARLET. 8 ft. Foliage has reddish tinge. Flowers bright red. Habit of growth is erect. Seedless and has few thorns. Choice shrub. 2 to 3 ft. \$2.00; 3 for \$5.55.

GOLDEN BELL (Forsythia)

SHOWY BORDER GOLDEN BELL (F. INT. SPECT.) 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 2 to 3 ft. \$1.35; 3 for \$3.75. 3 to 4 ft. \$1.50; 3 for \$4.20; 10 for \$13.00.

SPRING GLORY. 5 to 8 ft. The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., \$1.65; 3 for \$4.65. 3 to 4 ft. \$2.00; 3 for \$5.55. 4 to 5 ft. \$2.25; 3 for \$6.30.

HONEYSUCKLE (Lonicera)

BUSH HONEYSUCKLE. 9 to 10 ft. One of our best shrubs for screen and border plantings. White or pink. 2 to 3 ft. \$1.25; 3 for \$3.45; 10 for \$10.50. 3 to 4 ft. \$1.50; 3 for \$4.20; Red, 3 to 4 ft. only.

ZABEL RED H. (L. KOROLKOWI ZABELI). 10 ft. A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 2 to 3 ft., \$1.45; 3 for \$4.05. 3 to 4 ft. \$1.60 each; 3 for \$4.50.

WE PAY POSTAGE

on vines, small fruits, and shrubs up to 2 and 3 ft., if the order amounts to \$3.00 or more.

Trees, and shrubs 3 to 4 ft. and larger are sent via express—you pay the charges, as this cost is not included in our prices.

For orders of less than \$3.00, include 35c handling charge.

HYDRANGEA

PEEGEE HYDRANGEA (H. PANICULATA GRANDIFLORA.) 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., \$1.50; 3 for \$4.20. 2 to 3 ft. \$1.75; 3 for \$4.95.

SNOWBALL HYDRANGEA (H. ARBORESCENS GRANDIFLORA). 4 ft. Larce, flat heads of snow-white flowers in June and July. Thrives in shade, 18 to 24 in. \$1.50; 3 for \$4.20.

BLUE HYDRANGEA. 2 ft. Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr. \$2.25; 3 for \$6.30.

OAK-LEAVED HYDRANGEA (QUERCIFOLIA) 3-5 ft. Large deep green leaves shaped like those of Oak tree. Will stand shade and smoky, dusty city conditions. Flowers pinkish white borne in upright clusters in June. 18 to 24 in. \$2.00; 3 for \$5.55.

KERRIA

JAP. PLENIFLORA. (DOUBLE KERRIA). 4 to 5 ft. Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright double yellow flowers from June to September. 18 to 24 in. \$2.00; 3 for \$5.55.

VAUGHAN'S NURSERY PRICE LIST

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

LILAC SPECIES

COMMON PURPLE LILAC. 12 to 15 ft. The old-fashioned Lilac. Hardy and vigorous. Purple flowers early in May. 2 to 3 ft., \$1.50; 3 for \$4.20; 10 for \$12.00. 3 to 4 ft. \$1.60; 3 for \$4.50; 10 for \$14.00.

PERSIAN PURPLE (SYRINGA PERSICA). 8 to 10 ft. Free flowering, graceful, purple-lavender flowers. 2 to 3 ft., \$1.55; 3 for \$4.35; 10 for \$12.25.

FRENCH HYBRID LILACS FOUR BEAUTIFUL VARIETIES

BELLE DE NANCY. Large double satiny rose; white center. Free blooming; fragrant.

CHARLES X. Magnificent trusses of single, reddish-purple flowers. A very free flowering and strong, rapid growing variety.

MME. LEMOINE. Double pure white flowers, borne in large clusters. One of the best.

PRES. GREVY. Considered by many as the most satisfactory of the blue Lilacs. Giant, pyramidal clusters of double flowers of clear, soft, blue. Prices of above, 18 to 24 in., \$1.75; 3 for \$4.95; 2 to 3 ft., \$2.50; 3 for \$6.75.

SPECIAL OFFER No. 845. One each of above 4 Lilacs, 18 to 24 in. (Value \$7.00) for \$6.00. 2 to 3 ft. (value \$10.00) for \$8.00.

MOCK ORANGE (Philadelphus)

BELLE ETOILE. (FRAGRANT STAR MOCKORANGE). 5 ft. Here is an unusual and extra choice variety with very large, star-like flowers, petals of milk-white with a purple blotch in center. It is very sweet scented and its intense fragrance will scent up your entire garden. Makes a very showy, bushy plant. 18 to 24 in., \$2.00; 3 for \$5.55.

COMMON MOCK ORANGE. 7 to 10 ft. The free flowering single white found in the old-fashioned gardens; of rapid growth, forming a large bush. 2 to 3 ft. \$1.50; 3 for \$4.20. 3 to 4 ft. \$1.60; 3 for \$4.50.

FROSTY MORN. Dwarf Mock-Orange. 40 in. Pure white, double, fragrant blossoms. Ideal for landscaping ranch type homes. Hardy. 18 to 24 in. \$1.75; 3 for \$4.95.

MINNESOTA SNOWFLAKE. (Pat. No. 538). 8 ft. This lovely mockorange produces a profusion of pure snow-white flowers that are extremely double and intensely fragrant. It is very hardy, vigorous, bushy, has good foliage and is excellent for specimen plantings. 2 to 3 ft. \$1.75; 3 for \$4.95.

VIRGINALIS. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet being completely covered with large double or semi-double crested flowers that are pure white and sweet-scented. It has a long blooming period, the new wood producing throughout the summer, large single or semi-double flowers, often 3 inches wide. 2 to 3 ft. \$1.65; 3 for \$4.65. 3 to 4 ft. \$1.75; 3 for \$4.95; 10 for \$15.50.



MORaine LOCUST

PRIVET HEDGE (Ligustrum)

AMUR PRIVET (L. AMURENSE). 12 ft. One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in. 3 for \$1.50; 10 for \$4.00; 100 for \$35.00; 2 to 3 ft. 3 for \$1.75; 10 for \$5.00; 100 for \$45.00. 3 to 4 ft. \$1.00; 10 for \$6.50; 100 for \$60.00.

JETBEAD (Rhodotypos)

4 to 5 ft. This handsome useful shrub will thrive in dry, shaded locations, in smoky cities, under trees and on the north side of buildings. Single white flowers like mockorange blossoms, borne in May, are followed by shining black berries which persist throughout the winter. 2 to 3 ft., \$1.75; 3 for \$4.95.

GOLDEN ROSE OF CHINA

ROSA HUGONIS. 6 ft. Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., \$1.50.

ROSA MULTIFLORA - FENCE ROSE

6 to 8 ft. The white or light pink flowers mature into bright red berries which attract game and song birds. The shrub is armed with sharp thorns and makes a stock tight hedge as wide as tall. Seedlings. 12 to 15 in., 1/4 in. caliper at crown, 50 for \$7.00; 100 for \$12.00; 500 for \$50.00.

ROSE OF SHARON

HIBISCUS SYRIACUS OR SHRUBALTHEA. 6 to 12 ft. An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, white or red. 2 to 3 ft., \$1.50; 3 for \$4.20.

SNOWBALL (Viburnum)

GARDENIA-SCENTED SNOWBALL (V. BURKWOODI). 5 ft. Fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Glossy green foliage brilliantly tinted in autumn. 18 to 24 in. \$3.75.

OLD-FASHIONED SNOWBALL (V. OPULUS STERILE). 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft. \$1.50; 3 for \$4.20.

SPIRAEA

S. FROEBELI. (Everblooming) 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., \$1.35; 3 for \$3.75; 10 for \$11.50.

SWEETSHRUB

CALYCANTHUS FLORIDUS. 3-6 ft. Does well in partial shade. The wood and leaves have a spicy fragrance when crushed. The rare, chocolate colored flowers have a pleasing fruit scent. Blooms in June and throughout the summer. 18 to 24 in. \$1.50. 3 for \$4.20.

TAMARIX PETANDRA

SUMMER GLOW. 8 to 10 ft. Magnificent variety with pink flower spikes that appear all during the summer. Foliage gray-green, light and feathery as that of the asparagus. 2 to 3 ft. \$1.75; 3 for \$4.95.

WEIGELA (Dievilla)

BRISTOL RUBY. (Patent No. 492) 6 ft. Blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 2 to 3 ft. \$2.00; 3 for \$5.55.

ROSEA W. (PINK) 5-6 ft. Covered in June with an abundance of large rosy pink flowers. A vigorous sort of erect, compact growth. 2 to 3 ft., \$1.65; 3 for \$4.65.

WILLOW (Salix)

French Pussy Willow. Bears an abundance of large, silver-pink, fur-like catkins in the early spring. 2 to 3 ft. \$1.50; 3 for \$4.20.

Ornamental Trees

The following items are not prepaid and will be shipped by express collect.

BIRCH (Betula)

EUROPEAN WHITE BIRCH (B. ALBA). 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$5.75; 3 for \$16.20; 5 to 6 ft. clumps., \$6.50; 6 to 8 ft. clumps, \$8.50.

CUT-LEAVED WEEPING BIRCH (B. PENDULA GRACILIS). 30-40 ft. An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 8 to 9 ft., \$8.50; 3 for \$24.45.

FLOWERING CRAB (Malus)

ALMEY. 10 to 15 ft. Huge dollar size blooms of glistening, fiery crimson with white star-like markings at base of each petal. Small scarlet fruits cling to the branches long into the winter. This vigorous, fast growing tree usually blooms the second year after planting and is really sensational. 4 to 5 ft., \$4.50.

BECHTEL'S DOUBLE FLOWERING CRAB. 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 4 to 5 ft., \$4.50; 3 for \$12.75.

ROSE FLOWERING CRAB (M. HOPA). 15 to 20 ft. Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., \$3.50.

DOGWOOD (Cornus)

PINK FLOWERING DOGWOOD (C. FLORIDA RUBRA). 15 ft. A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft. B & B, \$7.50; 3 for \$21.45.

WHITE FLOWERING DOGWOOD (C. FLORIDA). Similar to above, but flowers are white. 2 to 3 ft., B & B \$6.50; 3 for \$18.45.

HAWTHORN (Crataegus)

PAUL'S DOUBLE SCARLET (C. OXY. SPLENDENS). 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., \$5.00.

EUROPEAN MOUNTAIN ASH

SORBUS AUCUPARIA. 25 to 30 ft. A handsome tree with compound leaves of dark green; golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 8 to 10 ft. \$7.50; 3 for \$21.45.

BOYSENBERRY

(THORNLESS). Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price, 3 for \$1.35; 10 for \$2.85; 25 for \$6.25.

RASPBERRIES

Price, except where noted, 3 for \$1.10; 10 for \$2.50; 25 for \$5.00; 50 for \$8.00.

CUMBERLAND (BLACK). Extra large, oval, rich and juicy. Good quality; very productive.

INDIAN SUMMER. The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for \$1.25; 10 for \$2.75; 25 for \$5.25.

LATHAM (RED). Berries are immense, dark red in color and well flavored. Extremely hardy.

GRAPES

Price, 2 yr. No. 1 each, 85c, 3 of one kind for \$1.95; 10 for \$5.25.

CACO (RED). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

CONCORD (BLACK). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender.

FREDONIA (BLACK). The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

PORTLAND (WHITE). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SPECIAL OFFER No. 855D. One each of grapes Caco, Concord, Fredonia and Portland 2 yr. (value \$3.40) for \$2.45.

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

DWARF APPLES. Delicious, McIntosh or Yellow Delicious. 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

DWARF CHERRY NORTH STAR. Large, luscious sour cherries on small sized, productive self-fertile tree. Wonderful for pies. It was bred in Minnesota so is extra hardy. 3 to 4 ft., \$3.95.

DWARF PEARS. Bartlett, 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

MAGNOLIA

SAUCER MAGNOLIA (M. SOULANGEANA) 20 ft. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B & B., \$10.50; 3 to 4 ft., B. & B., \$12.50.

STELLATA (Star Magnolia). 12 ft. Early in spring plant is covered with white, fragrant, starlike flowers. 18-24 in. B&B \$10.50.

MORaine LOCUST (Patent No. 836)

80 to 100 ft. New. A near-perfect shade or street tree. It is a selected form of the Honeylocust that is thornless and seedless and grows more rapidly, as fast as the soft maple or Chinese elm, but is definitely hard wooded. We highly recommend it. 5 to 6 ft., \$6.00; 6 to 7 ft., \$8.00; 7 to 8 ft., \$10.00.

CRIMSON KING MAPLE

ACER PLAT. SCHWEDLERI NIGRA. (Pat. No. 735). 40 to 60 ft. This magnificent Crimson Maple is the King of ornamental trees and it has created a sensation wherever grown. It is a perfected form of the Schwedler Maple, having foliage of deep maroon-purple all through the summer months. The tips of the branches and new foliage are a lighter shade and glisten beautifully in the sun, giving the impression of a tree in bloom. As this tree is a sell-out each season, no large sizes are available, but planted now, the trees will start branching the first summer and increase in beauty each year. Very hardy and easy to grow. 7 to 8 ft. Whips \$8.50.

PLUM (Prunus)

BLIRIEANA (PURPLE-LEAVED FLOWERING PLUM) 12-15 ft. Semi-double rose pink flowers on long slender branches before the leaves appear. Foliage heavily tinged with bronze. 4 to 5 ft., \$3.75.

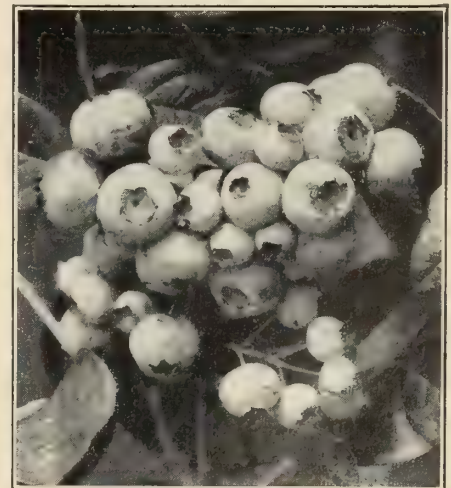
THUNDERCLOUD PURPLE-LEAF PLUM. 12 to 15 ft. A small tree shrub. The leaves when young, are lustrous crimson, changing to a dark purple and they retain this beautiful tint until they drop, late in autumn. 4 to 5 ft., \$3.85.

WILLOW (Salix)

NIOBE WEEPING WILLOW (S. NIOBE). 30 to 40 ft. Wavy, bright green foliage borne on slender, pendent branches. 6 to 8 ft., \$3.50; 3 for \$9.75.

QUINTUPLET APPLE TREE

5 KINDS OF APPLES ON ONE TREE. This is the ideal tree for the small yard, 5 different varieties are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year, 4 to 5 ft., 1/4 in. caliper \$3.95 each; 3 for \$11.25.



HYBRID BLUEBERRIES

HIGHLY ORNAMENTAL PLANTS—DELICIOUS FRUITS. 3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we sell only in units of 3 different varieties, 3-year clumps, B & B in peat, 3 for \$5.50; 6 for \$10.40.

Plant Food and Soil Conditioners

Postpaid prices on 5-10 lb. Pkgs. up to 300 miles, add additional postage beyond Third Zone. 25 lbs. or over shipped express collect.



F-2036 BALANCED ROSE RATION. 7-8-5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants. 5 lb. bag, 95c, postpaid \$1.35; 10 lbs., \$1.45, postpaid \$1.95; 25 lbs., \$3.25; 100 lbs., \$9.75.

F-2025 LOMA. Analysis: 5-10-5. Beautifies lawns and gardens; a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrate, phosphate and potash; contains no filler. 5 lbs., 55c; Postpaid 85c. 10 lbs., 95c; Postpaid \$1.45. 25 lbs. \$1.85; 50 lbs., \$3.20; 100 lbs., \$5.50.



F-2027 MURIATE OF POTASH. Should be used liberally, especially for all root crops. 25 lbs., \$2.50; 50 lbs., \$4.25; 100 lbs., \$6.75.

J. M. T. C. ORG-A-NUR
ALL-ORGANIC-MANURE

S-430 HYPONEX PLANT FOOD. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. 3 oz. tin, 25c, postpaid 35c; 1 lb., \$1.00, postpaid \$1.25; 10 lbs., \$8.00, postpaid \$8.65; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00.

S-429 HY-GRO. Analysis: 13-26-13. The soluble plant food and starter solution. 3 oz., 35c; postpaid 45c; 1 lb., \$1.00; postpaid \$1.25; 2 lbs., \$1.75; postpaid \$2.10; 10 lbs., \$5.25; postpaid \$5.85.

F-2019 KAPCO. All soluble fertilizer 15-30-15, for liquid feeding with added minor elements. 3 lb. plastic bag with complete instructions imprinted. \$1.50; postpaid \$1.85; 25 lbs., \$7.50; 80 lbs., \$20.00.

F2055 KAPCO AZALEA 50. Soluble, 30-10-10 with Chelated Iron. For feeding through leaves and roots. Recommended for Azaleas and evergreens. 3 lb. Plastic bag with complete instructions imprinted. Price \$1.50. Postpaid \$1.85.

F-2002 ALUMINUM SULPHATE. For creating acid condition in the soil. 1 lb., 25c, postpaid 40c; 5 lbs., 75c, postpaid \$1.10; 10 lbs., \$1.25, postpaid \$1.85; 25 lbs., \$2.50; 100 lbs., \$6.25.

F-2011 ESMINEL. Adds the necessary minor elements such as Manganese, Boron, Magnesium, etc., to fertilizers. Price, 5 lb. pkg., \$1.50, postpaid, \$1.85; 100 lb., \$13.50.

S-451 FULTON'S PLANTABBS. Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c, postpaid 30c; box of 75 tablets, 50c, postpaid 60c; box of 200 tablets, \$1.00, postpaid \$1.10. Large size approximately 1,000 tablets, \$3.50, postpaid \$3.65.



S-425 FLOR-LIFE. Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c; three pkts. for 25c. Home size tin makes 30 qts., each, \$1.00; 100 qt. size, each, \$3.00.

F-2024 LIME PHOSPHATE, RUHM'S Nature's source of phosphorus. The most phosphate at lowest unit cost. 80 lbs., \$3.50; 480 lbs., \$10.80; 960 lbs., \$20.50; 2,000 lbs., \$34.50.

S-454 RA-PID-GRO. All-Soluble Plant Food. Analysis 23-21-17. For African violets, house plants, gardens. Complete instructions on each package. 6 oz., 50c, postpaid 60c; 8 oz., 69c, postpaid 85c; 1 lb., \$1.25, postpaid \$1.45; 2 lbs., \$2.35, postpaid \$2.60; 5 lbs., \$4.50, postpaid \$4.95; 10 lbs., \$8.75, postpaid \$9.40; 25 lbs., \$21.00 and 50 lbs., \$42.00.



Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

LONG-LASTING PLANT FOOD RICH IN ORGANICS

F-2014 GROGANIC. Research has proved that plants respond to food elements which are found in both mineral and organic forms. Those derived from minerals are effective quickly, and in soil temperatures too low for bacterial activity. Organics become available to plants more slowly, and require warm soil and bacteria to release their food content completely.

By combining mineral and organic elements, long-lasting nutriment can be provided. Groganic contains no filler whatever. Bulk is provided by dried blood, fish scrap, castor pomace and vegetable meal, all relatively expensive, which break down slowly. Boron is added to correct acidity and manganese sulphate to prevent chlorosis (yellowing) in leaves. Chemical nitrogen, phosphorus and potash are added—all quick acting and stimulating growth in early spring.

The analysis of Groganic is 6-11-6, 6% nitrogen, 11% phosphorus, 6% potash. An application of 15 lbs. per 1,000 square feet will provide continuous feeding effective in 10 days and lasting 300 days. 5 lbs., 95c; postpaid, \$1.25; 10 lbs., \$1.45; postpaid, \$1.95; 25 lbs., \$3.25; 80 lbs., \$7.65.



If the kind of plant food which you prefer is not listed, ask us for a price in quantities of 100 lbs. or more, F.O.B. Chicago, Ill.

F-2035 RHODO-AZALEA FOOD. 3-20-3. 5 lb. package, each, 95c; postpaid \$1.35; 10 lbs., \$1.45, postpaid \$1.95.

F-2040 SULPHATE OF AMMONIA. Price, 5 lbs., 75c, postpaid \$1.10; 10 lbs., \$1.25, postpaid \$1.85; 25 lbs., \$2.75; 50 lbs., \$3.75; 100 lbs., \$6.50.

VAUGHAN'S PEAT MOSS IMPORTED HORTICULTURAL GRANULATED

S-1803 A moisture-retaining humus. An important aid to soil fertility, prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., \$3.25; half of large bale, approximately 50 lbs., \$4.75; large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, \$6.50.

VAUGHAN'S BONE MEAL

F-2005 This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 percent, total phosphoric acid, 22 percent. 5 lbs., 85c, postpaid, \$1.20; 10 lbs., \$1.45, postpaid \$2.00; 25 lbs., \$3.25; 100 lbs., \$7.85; 500 lbs., \$30.00.

S-401 ACTIVO (Formerly Bacto). Make your own fertilizer easy, in as little as three weeks. Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets reduces odors, makes easily handled ash of waste. No. 2 size, \$1.00, postpaid \$1.20; treats 450 lbs. compost; No. 7 size \$3.00, postpaid \$3.50; treats up to 1800 lbs.; No. 20 size \$5.95; treats up to 2 tons compost. No. 50 size drum, \$11.95; treats 6 tons compost.

S-228 KRILIUM. Soil Conditioner. Conditions soil in the garden, for new lawns, for shrubs or planting boxes. 5 lbs. will treat about 100 sq. ft. 3 inches deep, or 600 ft. 1/2 inch deep. The price of 1 lb. \$1.39, postpaid \$1.55; 5 lbs. \$4.95, postpaid \$5.35.

S-344 KRILIUM (Loamaker). Highly concentrated 100% active. Treats five times as much area as regular KRILIUM. 10 lb. canister \$25.00, 25 lb. fiberpak drum, \$58.75, 50 lb. fiberpak drum, \$112.50.



S-402 ADCO ARTIFICIAL STABLE MANURE make it yourself, to each ton of straw, hay, corn or dried leaves add 150 lbs. of Adco. This makes four tons of fresh or three tons of rotted manure. Full directions. 5 lb. bag., \$1.85, postpaid \$2.20 lbs., \$3.95; 150 lbs., \$19.95; Write for booklet.

SALEM LAWN SPREADER

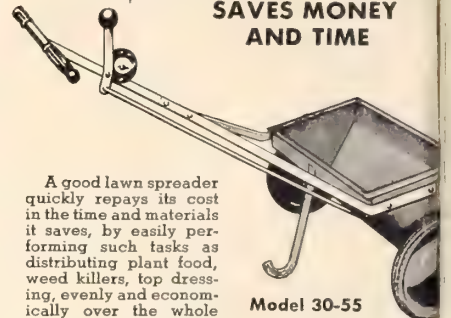
Will spread any kind of commercial fertilizer, grass seed, top dressing. Equipped with rubber tired wheels, a foot and selective finger-tip control. Reinforced as illustrated on the 20 inch and 30 inch models only. Easy and quick



Model 20 inch

to assemble. **S-517** 16 inch, hopper capacity about 20 lbs., price each, \$7.85; **S-518** 20 inch, hopper capacity about 40 lbs., each, \$12.75; **S-519** 30 inch, hopper capacity about 80 lbs., each, \$19.40; **S-520** 36 inch, hopper capacity over 125 lbs., \$39.50. This model has rugged steel wheels.

PRECISION LAWN SPREADER SAVES MONEY AND TIME

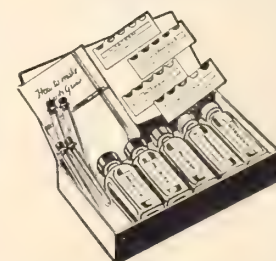


Model 30-55

A good lawn spreader quickly repays its cost in the time and materials it saves, by easily performing such tasks as distributing plant food, weed killers, top dressing, evenly and economically over the whole lawn area. For precise control and lasting service the Master spreader unsurpassed.

S-513 Model 25-55, 18 inch spread with rubber and tubular handle with rubber grip, each \$12.85.
S-509 Model 30-55, 18 inch spread, 50 lb. capacity with rubber tires and rubber grip handle, price, \$12.85.
S-505 No. 361-D, 36 inch, with rubber tire wheels, price, \$53.25.
S-506 No. 361S.D. 36 inch, stainless steel agitator and bottom with semi pneumatic tires, each, \$63.
S-510 Model 40-55 (24" spread)—Tubular T handle with two rubber grips—rubber tires price \$18.25.
Models 25, No. 30 and No. 40 equipped with fertilizer miser control.

SUDBURY SOIL TEST KITS



Made by the method of professional test kits. Test for nitrogen, phosphorus, potash, acidity. It will give at least three separate tests for each element. No technical skill required. Results of tests apparent immediately. **S-809** Sudbury Horticultural Gardener's

Test Kit, complete with instructions. \$2.98; postpaid \$3.20.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordered the above, it requires **S-788** No. 2 and **S-789** 1 to make Nitrogen Tests. **S-790** No. 4 and **S-791** 1 for Phosphorus Tests and **S-792** No. 6 and **S-793** No. 7 to make Potash Tests, therefore when ordered please order two numbers. **S-787** Lime 2 oz., \$1.50; 6 oz., \$2.50, postpaid \$2.70.

S-810 NEW CLUB MODEL KIT. An advanced amateur will find this larger kit valuable. It contains material for many accurate tests, \$5.89; Postpaid \$6.20.

S-808 HORTICULTURAL TEST KIT. It contains material sufficient to make 60 individual tests together with complete instructions and tabular plant needs. Sudbury Horticultural Soil Test \$14.95, express collect.

We prepay fertilizer orders within 25 miles of N.Y. City where orders amount to \$10.00 or over.
Errata—Prices on fertilizers in our catalogue are F.O.B. Chicago.
Following are New York prices.

Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 95c; 10 lbs., \$1.75; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.50.

Regular Bone Meal. 2.47% nitrogen, 20% phosphoric acid. 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$9.00.

Activo. (Formerly called Bacto)

Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. Prices, No. 2 size, about 2 lbs., \$1.25; No. 7 size, about 7 lbs., \$2.75; No. 50 size, about 50 lbs., \$11.95; No. 100 size, \$19.95.

Adco Artificial Stable Manure.

Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 5 lbs., \$1.50; 20 lbs., \$3.50; 150 lbs., \$20.00.

African Violet Soil. 1½ lb. plastic bag, soil sterilized and scientifically prepared for African Violets. 25c per bag. 35c postpaid. 4 lb., 50c per bag. 75c postpaid.

Agrico. Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods—stimulating quick growth in early spring—providing slowly available plant food all season long. 6-10-4. Prices, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.70; 50 lbs., \$2.65; 100 lbs., \$5.00. (Prices subject to change.)

Agrico Garden Fertilizer. 5-10-5. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.70; 50 lbs., \$2.40; 100 lbs., \$4.55. (Prices subject to change.)

Agrico for Broadleaf Evergreens.

Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make a second application of 1 to 2 lbs. per 100 sq. ft. as soon as buds begin to appear. 10 lbs., \$1.15; 25 lbs., \$2.20; 50 lbs., \$3.00; 100 lbs., \$5.80. (Prices subject to change.)

Aluminum Sulphate. For creating acid condition in the soil. Prices, 5 lbs., 60c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.70; 100 lbs., \$4.85.

Ammonium Sulphate. 20.6% nitrogen. Prices, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.25.

Armours Special Ornamental Fertilizer. 10-6-4. Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only, \$6.50 each.

BONE, Raw Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$9.00.

Cow Manure Dehydrated (Bovung). Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.75; 50 lbs., \$2.50; 100 lbs., \$4.50; 500 lbs., \$20.00.

TERRA LITE

Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Price, 2 bu. bag, \$1.85; ½ bu. bag., 85c; 4 qt. bag, 45c.

Blood, Dried. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.25.

Bulb Food. Potash where potash is needed (5-6-15). For Dahlias, Lily, Gladiolus, etc. 5 lbs., 85c; 10 lbs., \$1.35; 25 lbs., \$3.00; 80 lbs., \$8.75 each.

Orchid Gro. A new Soluble Plant Food especially Formulated for Orchids and other Tender Plants. 14-Oz. jar each \$1.50.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$5.50.

Farmanure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 50 lb. bag, \$2.95 each; 5 to 19 bags of 50 lbs., \$2.50 each.

Hy-Gro. 13-26-13. The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 40c; 1 lb., \$1.10; 2 lbs., \$1.40; 10 lbs., \$6.50. (Prices subject to change.)

Hyponex Plant Food. For growing plants in sand, soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 30c; 7 ozs. 50c; 1 lb., \$1.00; 10 lbs., \$8.00.

Muriate of Potash. Should be used liberally, especially for all root crops. 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.00.

SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.25; 500 lbs., \$20.00.

Miracle-Gro For All Garden Plants

including roses, all flowers, all fruit trees and shade trees, all bushes, lawns, all vegetables, all berry plants, shrubs, vines and evergreens. Mix ONE tablespoon of Miracle-Gro to each gallon of clear water. 1½ lbs., \$2.25; 5 lbs., \$5.00. For best results, feed your plants once every 2 weeks.

Nitrate of Soda. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50.

Peat Moss, Granulated. (Irish when available). A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Large bale each, \$5.95, 5 for \$27.50. (Prices subject to change.)

Plantabbs. The high analysis plant food tablet containing the proper amount of Vitamin B1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; can of 1000 tablets, \$3.50.

RA-PID-GRO contains no inert materials (sand, coconut shells or brick dust). Every bit is 100% plant food and when applied in solution it is immediately absorbed by the plant roots. No waiting for weeks to obtain growth or color. RA-PID-GRO gets results in an amazingly short time. Prices of RA-PID-GRO, 1 lb., \$1.25; 2 lbs., \$2.35; 5 lbs., \$4.50.

Rose Food G & O. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 85c; 10 lbs., \$1.35; 25 lbs., \$3.00; 80 lbs., \$8.75 each.

Triogen Rose Food. A rose food made from organic (long lasting) and inorganic (quickly available) materials, for healthy, green foliage, sturdy plants and roots and better flowers. 5 lbs., \$1.00; 10 lbs., \$1.60; 25 lbs., \$3.00; 50 lbs., \$6.00.

Sulphate of Potash. 5 lbs., 80c; 10 lbs., \$1.35; 25 lbs., \$3.00.

Super Phosphate. 16%-20% available. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00; 500 lbs., \$13.00.

Vigoro. Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Prices, 5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.70; 50 lbs., \$2.80; 100 lbs., \$4.55.

We prepay fertilizer orders within 25 miles of New York City where orders amount to \$10.00 or over. No C.O.D.s

Sprays and Dusts

S-114 ANTROL AFRICAN VIOLET AND HOUSE PLANT INSECT BOMB. Made specifically for AFRICAN VIOLETS and other house plants such as IVY, etc. Always ready—No Mixing—No Pouring—No Sprayer To Buy. 6 oz. size, ea. 89c; postpaid \$1.00.

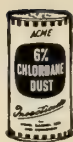


S-282 ANTROL PUSH-BUTTON ANT AND ROACH BOMB. The quick, handy way to control ants, roaches and other crawling insects. Just push button to spray ant trails and nests, base boards, door and window sills, trash receptacles, etc. Leaves residual deposit of Lindane, new powerful killer, remains effective for weeks. Each, \$1.19, postpaid \$1.35.

S-193 FERMATE. Fungicide gives improved control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragons rust, anthracnose of tomatoes, and brown rot of cherries. For use against all fungi and mildews. 8 oz., 75c, postpaid, 90c; 3 lbs., \$3.50, prepaid for \$3.75.

S-339 ACME WET-TABLE DUSTING

SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snap-dragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. shaker top carton, 65c, postpaid, 90c.



S-102. ACME 6% CHLORDANE DUST. For dusting in gardens and on lawns to control ants, cut worms, chiggers, wire worms, etc. Price per 1 lb. sifter top carton, each 60c; postpaid 75c; 4 lb. bag, \$1.50 postpaid \$1.90.



S-144 45% CHLORDANE EMULSION CONCENTRATE. Kills grasshoppers, roaches, ants and many other insects. 1 oz., 39c, postpaid 45c; 4 oz. 75c, postpaid 85c; 8 oz., \$1.25, postpaid \$1.40; 1 pt., \$1.95, postpaid \$2.15; 1 qt., \$3.25, postpaid \$3.50; 1 gallon \$7.85 express collect.



S-101 ACME ALL ROUND SPRAY. For roses, shrubs, vegetables and flowers. Price lb. \$1.10; postpaid \$1.30. 4 lbs. \$3.45; postpaid \$3.75.



S-106 ACME GARDEN GUARD. 1% Rotenone, safe on garden vegetables. In 1-lb. shaker top cans. Each, 50c; postpaid, 70c; 4 lb. pkg. \$1.25. Postpaid \$1.65.

S-154 DIELDRIN GRANULAR 5%. Controls many turf, lawn and soil insects the easy way. One pound treats 700 ft. of area. 1 lb. 90c, postpaid \$1.10; 4 lb. \$2.98, postpaid \$3.40; 12½ lb. \$7.49, postage extra.

S-177 DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 75c; postpaid 90c; 5 lbs., \$3.10, postpaid, \$3.35; 12½ lbs., \$3.75; 100 lbs., \$25.00.

S-241 FUMI-SOIL CAPSULES. Pure Ethylene Dibromide. For use in the control of Ants, Nematodes, Wireworms, Moles and other in-the-soil pests. "Just drop a capsule." Per package of 24 capsules, \$1.25, postpaid \$1.35; pkg. of 100 capsules, \$2.75, postpaid \$2.90; pkg. of 200 capsules, \$4.50, postpaid \$4.75.



S-265 PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorobenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight ½ pt., 75c, postpaid 95c; quart, \$1.45, postpaid \$1.70; gallon, \$3.25, postpaid \$3.85; 5 gallons \$12.50.



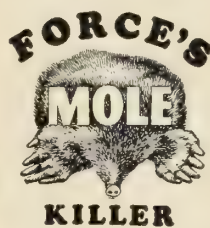
S-298 SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. 1 pt., 75c, postpaid 95c; qt., \$1.15, postpaid \$1.40; gal., \$2.75, postpaid \$3.35; 5 gals., \$10.75; 15 gals., \$24.92; 55 gal. drum, \$57.40.

No Charge or deposit on drums.

S-163 RIDZ DOG REPELLENT. Aerosol bomb, contains 12 oz.; no mixing. Easy to apply. Touch of your finger applies it where you want it. Price each \$1.49, postpaid \$1.60.



S-168 DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. 3 oz. bottle, 75c; by mail, 85c.



S-195 THE ACCEPTED MOLE CONTROL FOR nurseries, greenhouses, gardens, cemeteries, parks and residential lawns. Small size, 35 pellets, 30c; postpaid, 40c. Regular size, 75 pellets, 60c; postpaid, 70c. Large size, 185 pellets, \$1.00; postpaid \$1.15. Commercial size, 875 pellets, \$3.25, postpaid \$3.50.

S-328 TREE TANGLEFOOT. Perfect safeguard for trees against insects that climb the trunk. Price, 6 oz. ea. 90c postpaid \$1.05; 1 lb. can, \$1.50; postpaid \$1.65; 5 lbs., \$7.00; postpaid \$7.35; 25 lbs., \$26.50.

CHLORDANE

S-143 CHLORDANE. (Water Base—2% Chlordane). Especially for household uses. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed. Pint, 69c postpaid 85c; quart, \$1.19; postpaid \$1.45.

FUNGICIDES

S-374 ACME GARDEN FUNGICIDE. This new modern fungicide, containing Captan (30%) and Karathane (3%) is effective for control of black spot and powdery mildew on roses and many diseases of certain other flowers and ornamentals. 8 oz. each, \$1.35, postpaid, \$1.50.

S-127 BORDEAUX MIXTURE (Dry). The best fungicide for black rot, mildew, blight, leaf curl, scab or other fungoid diseases. 1 lb. will make 5 gallons liquid. Lb., 60c, postpaid 75c; 4 lbs., \$1.45; postpaid, \$1.75.

S-109 FORMACIDE FOR FORMALDEHYDE DUST. Controls "damping off" of seedlings. 1 lb., 85c; postpaid \$1.05; 4 lbs., \$2.50; postpaid \$2.75.

S-301 SEMESAN. The universal seed disinfectant. 4 oz., \$1.20, postpaid \$1.30; 12 oz., \$3.40; postpaid \$3.60; 25 lbs., \$87.20.

S-302 SEMESAN BEL. For potatoes. 3 oz. tin, \$1.50, postpaid \$1.60; 1 lb., \$3.00, postpaid \$3.20; 4 lbs., \$9.70, postpaid \$10.10.

S-138 NEW IMPROVED CERESAN. 1 lb., \$1.75, postpaid \$1.95; 100 lbs., \$93.50.

S-323 TERSAN 75 for control of brown patch dollar spot, snow mold, etc. 5½ oz., \$1.00, postpaid, \$1.15; 3 lbs., \$6.75, postpaid, \$7.05.

S-313 SPERGON—Seed Protectant. Kills the soil fungi and bacteria which cause damping off. 1 oz., 50c, postpaid 65c; 5 oz., \$1.75, postpaid, \$1.90; 1 lb., \$2.50, postpaid \$2.70; 10 lbs., \$20.00.

S-336 VOLCK. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. 4 oz., 50c postpaid; pint, 90c postpaid; 1 gal., \$3.00, postpaid \$3.60; 5 gals., \$9.95.

S-330 TRI-O-GEN 3 WAY ROSE DUST. Price 1 lb. canister, \$1.19, postpaid, \$1.35; 5 lbs., \$5.00, postpaid, \$5.40. Dust Gun 10 oz. ea. 98c, postpaid, \$1.15.

S-329 TRI-O-GEN 3 WAY ROSE SPRAY.

Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. E, kit trial size, \$1.50, postpaid, \$1.65; A, small kit, makes 16 qts., \$2.35, postpaid, \$2.55; B, medium kit, makes 64 qts., \$6.00, postpaid, \$6.35; C, large kit, makes 32 gals. \$9.00, postpaid, \$9.50; D, estate kit, makes 128 gals., \$30.00, express collect.

STOMACH POISONS

S-112 ANTROL, Ready filled. Sets containing 4 filled feeders, 50c, postpaid 70c; extra jars each, 15c. 4-oz. syrup, 25c, postpaid 35c.

S-111 ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 25c; 6 for \$1.25, postpaid \$1.40.

S-122 ARSENATE OF LEAD. (Dry). 1 lb. carton 69c; postpaid 85c; 4 lbs., \$1.80, postpaid \$2.10; case of 48 lbs., \$17.40.

S-308 SNAROL. An insecticide bait to combat snail cut worms, sow bugs and grasshoppers. 1 lb., 50c, postpaid 65c; 2½ lbs., \$1.00, postpaid \$1.25; 6 lbs., \$2.00, postpaid \$2.40; 50 lbs., \$13.00.

ROTENONE PREPARATIONS

S-232 RED ARROW Garden Spray. Kills by contact, both chewing and sucking insects. 2 oz. bottle 60c, postpaid 70c; 4 oz., \$1.00, postpaid \$1.15; pt., \$2.85, postpaid \$3.10.

CONTACT INSECTICIDES

S-126 BLACK LEAF 40. Nicotine Sulphate. A spray for sucking insects. Directions must be followed carefully. 1 oz. bottle, 39c, postpaid 50c; 5-oz. can, \$1.19, postpaid \$1.35, makes 40 to 100 gallons; 1-lb. bottle, \$2.69, postpaid \$2.90 makes 40 to 200 gallons; 2-lb. can, \$4.79, postpaid \$5.05 makes 200 to 500 gallons; 5-lb. can, \$7.60, postpaid \$7.95 makes 400 to 1000 gallons; 10-lb. can, \$14.70, postpaid \$15.60 makes 840 to 2100 gallons.

S-191 EVERGREEN SPRAY. Non-poisonous when used as directed. Price, 1 oz., 45c postpaid; 6 oz., \$1.30 postpaid; pint, \$2.60 postpaid.

S-325 TOBACCO DUST. Contains over ¾ nicotine superfine grind. 1 lb., 35c, postpaid 45c; 5 lbs., 80c, postpaid \$1.20; 10 lbs., \$1.35, postpaid \$1.95; 25 lbs., \$2.95.

S-272 NEW POMO GREEN. A combined insecticide and fungicide. Lb., \$1.00, postpaid \$1.15; 4 lb., \$3.00, postpaid \$3.35.

S-231 RED ARROW DUST. Contains Rotenone. 2 lb. bag, 60c, postpaid 75c; 5 lbs., \$1.50, postpaid \$1.85.

MISCELLANEOUS



S-130 D-X Spray Bomb for House Plants for African Violets, Ferns, Ivy, etc. A low pressure Aerosol bomb that makes it easy to kill insects on plants. 10 oz. each \$1.50; postpaid \$1.65.

S-257 ANTROL ANT SPRAY. Contains Chlordane. With handy sprayer. New and easy method of killing ants in the home, yard, lawn and garden. Non-injurious to humans and pets when used as directed. Apply with handy sprayer attached. Pint size retails at 89c, postpaid, \$1.00.



MISCELLANEOUS

S-150 CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. 4-oz. tin, 50c; 1 lb., \$1.25; 5 lbs., \$4.25; 25 lbs., \$13.75; 100 lbs., \$36.00. By express only.

S-727 CYANOGAS FOOT PUMP. Each, \$15.00

S-185 DUPONT ROSE INSECTICIDE AND FUNGICIDE DUST. 8 oz. Dust Gun, each \$1.29, postpaid \$1.45; 1 lb. sifter top can \$1.69; postpaid, \$1.89; 3 lb. bag, \$3.75; postpaid \$4.10.

S-180 DUPONT FLORAL DUST. Provides complete control of many insects and disease affecting flowers. Non-injurious. Use as dust or spray. 8 oz. guns, 98c; postpaid \$1.15; 1 lb. canister, \$1.25; postpaid, \$1.45; 3 lb. canister, \$2.75; postpaid, \$3.10.

S-181 DUPONT FRUIT TREE SPRAY. Recommended for control of many insects and fungus diseases affecting fruit trees. Specially formulated for spray application. 1 lb. canister, \$1.25; postpaid, \$1.45; 3 lb. bags, \$2.75; postpaid, \$3.10.

S-187 DUPONT VEGETABLE GARDEN DUST. A complete insecticide and fungicide. 8 oz. Dust Gun, 98c; postpaid, \$1.15; 1 lb. Sifter top can, \$1.25, postpaid, \$1.45; 3 lb., Canister, \$2.75; postpaid, \$3.10.

S-294 MALATHION SPRAY 50%. Excellent for control of mites, scales, white-flies, plant bugs and many chewing insects. 1 oz. 40c, postpaid 50c; 5 oz. \$1.20, postpaid \$1.35; pint \$2.70, postpaid \$2.85.

S-312 SPERGON GLADIOLUS DUST. Controls thrips & Corm decay. A dust containing spergon and D.D.T. to be applied to corms before planting, or storage in Fall. Also Tulips, Narcissus and Iris. 2 oz. each 50c, postpaid 60c; 1 lb. each \$1.95. postpaid \$2.15.

S-317 STOP. A tree banding compound. Perfect safeguard for trees. Lb. jar, \$1.05, postpaid \$1.25; 7½ lb. jar, \$6.25, postpaid \$6.75.

S-264 PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 50c, postpaid 70c; qt., 85c, postpaid \$1.10; gal., \$2.25, postpaid \$2.85.

S-320 SULPHATE OF IRON. 5 lbs., 85c, postpaid \$1.15; 10 lbs., \$1.50, postpaid \$2.10; 25 lbs., \$2.50; 50 lbs., \$3.95; 100 lbs., \$6.95.

S-134 VIOL- OGEN. Complete growing kit for African Violets including rooting and potting soil, special plant food and insecticide. Weight 5 lbs. Complete kit each \$2.95; postpaid \$3.45.



D. D. 7. for All Purposes

S-133 BUG-GO INSECT SPRAY.

BOMB Kills All Household Insects. The most effective aerosol insecticide. Deadly to flies, roaches, bedbugs, silver fish, ants, mosquitoes, wasps, and any crawling or flying pests. Contains DDT, Pyrethrum and Piperonyl Butoxide, three killing ingredients. (If one doesn't get them, the others will.) Approved by U.S. Department of Agriculture. Leaves no unpleasant odor. Used as directed, is completely harmless to humans. Each, \$1.30, postpaid, \$1.45.



S-158 D. D. T. 50% WETTABLE DUST. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 1 lb., 90c; postpaid, \$1.05; 4 lbs., \$2.10, postpaid for \$2.45.

S-157 D. D. T. 25% LIQUID SPRAY. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants. Eight ounces will make 25 gallons of garden spray. 8 oz., 85c, prepaid \$1.00.

S-155 D. D. T. 5% DUST. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses. 1 lb., 50c, postpaid, 65c; 4 lbs., \$1.10, postpaid, \$1.40.

S-156 D. D. T. 40% WETTABLE DUST. 8 oz. each 50c, postpaid 60c.

ACME TOMATO DUST

S-107 Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases. A full pound sifter top package ready to use, each, 60c, postpaid, 75c. 4 lb. Bag \$1.50. Postpaid, \$1.80.

NEW RED SPIDER REMEDY

S-118 ARAMITE. Extensive tests by experimental stations show this to be the best control for these pests. 4 oz. \$1.00, postpaid \$1.15, 12 oz. \$2.00, postpaid \$2.20, 4 lbs. \$4.25, postpaid \$4.65.



PRATT'S FRUIT TREE SPRAY



S-274 A combined fungicide and insecticide containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. Sifter Top can 85c; postpaid \$1.05. 3 lb. bag, \$1.50; postpaid \$1.80.

ACP ROSE AND FLORAL DUST



S-131 COMBATS ALL PLANT PESTS. The most complete protection against diseases, insects and mites on roses and other flowering plants. A complete fungicide, insecticide, aphicide and miticide in one package. Can be used as dust or spray. Contains Ferbam for control of rust, blackspot wilt, yellowing. Sulphur effective against mildew and scab. D.D.T. effective against beetles, iris borers, leaf rollers, caterpillars, thrips, etc. Lindane effective against aphids and other insects which have borderline reaction to D.D.T. Ovotran, effective

against mites. 1 lb. canister at \$1.49, postpaid \$1.65; 3 lb. can, each \$3.59, postpaid \$3.85; 25 lb. drums each, \$22.40.

S-256 ANTROL ROSE SPRAY FLOWER BOMB. Contains Lindane and Rutenone. Can be used on all types of flowers. No mixing, no pouring, no sprayer to buy. 12 oz. size each, \$1.49, postpaid \$1.65.



KILLS RED SPIDER AND MITES DIMIT

S-161 A quick, positive, long lasting contact control for mites and red spider damaging evergreens, flowers, fruit and shade trees, etc. Contains 25% Di (P-Chlorophenyl) Methyl-Carbinol (DMC) in a water mixable solution. 2 oz., 69c each, postpaid, 80c; 8 oz., \$1.89, postpaid \$2.05; qt. tin, \$6.00, postpaid \$6.25.



Weed Killers

S-149 CRAB-NOT. KILLS CRAB GRASS. Formulation of Potassium Cyanide. 4 oz., to cover 800 sq. ft. \$1.00 postpaid; 16 oz., to cover 2,500 sq. ft. \$2.95, postpaid; \$3.20, 6 lbs., to cover 15,000 sq. ft. \$10.95, postpaid \$11.45.

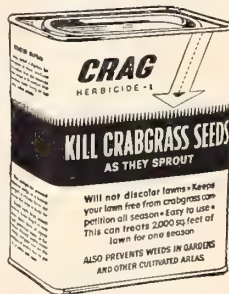
S-148 SPECIAL CRAB-NOT, INCLUDES 2, 4-D. 4 oz., to cover 800 sq. ft. \$1.25 postpaid; 16 oz., to cover 2,500 sq. ft. \$3.50, postpaid, \$3.70; 6 lbs., to cover 15,000 sq. ft. \$12.50, postpaid \$12.95.

SELTOX CRAB GRASS KILLER

S-455 It contains phenol mercuric acetate solubilized, which has been proved in exhaustive tests to kill crab grass without injuring desirable lawn grasses. It can be used at any stage of growth, from the seedling stage to maturity, with equal effectiveness.

Quantity	Area Treated	Postpaid Price
8 oz.	1,000 sq. ft.	\$1.10
16 oz.	2,000 sq. ft.	1.65
Quart	4,000 sq. ft.	2.70
Gallon	16,000 sq. ft.	\$9.00 by exp. collect.

S-299 CRAG HERBICIDE 1. Save work—and keep your garden neat by preventing weeds from growing. Kills weed seeds as they germinate. No worry about drift damage to foliage or sensitive plants. 4 oz. each, \$1.50, postpaid \$1.65; 2 lb. bag each, \$4.50, postpaid \$4.80.



S-415 WEEDABOMB 2, 4-D LAWN WEED KILLER. Only bomb type weed killer. Kills dandelion, ragweed, plantain and other broadleaf lawn weeds. Easy to apply. No mixing. Economical for spot weed control. Bomb contains 11 ounces, \$1.79 each, postpaid \$1.90.

S-464 NEW IMPROVED WEEDONE. Contains 2, 4-D plus 2, 4, 5-T. With this combination of weed killers you can keep your grounds free from almost any unwanted plant growth. 8 oz. covers 1,500 sq. ft. Price each, \$1.00, postpaid, \$1.15; quart, \$2.75, postpaid, \$3.00; gallon, \$6.75; 5 gallon drum, \$24.75 each.

S-461 WEEDAR 64. A soluble salt of 2,4D which dissolves completely in water and does not clog nozzles, suitable for pre-emergent and post-emergent control of weeds in cereal crops, and for easy-to-kill weeds in turf and pasture. 1 gallon can, \$4.90; 5 gal. can, \$23.50; 30 gal. drum, \$134.40, F.O.B. Chicago or New York City.

S-465 WEEDONE BRUSH KILLER 32. Contains 2, 4, 5-T plus 2, 4-D. For control of poison ivy, poison oak, and many other woody plants. Not recommended for lawn use. 8 oz. cans, \$1.49, postpaid, \$1.60. Price per quart, \$3.75; postpaid, \$4.10; per gallon, \$7.95; 5 gallons, \$37.75.

S-466 WEEDONE CONCENTRATE, 48. A high concentration of 2,4D ethyl ester, effective on both easy and hard to kill weeds, and in general the most economical form for large operations. 1 gallon can, \$4.70; 5 gallon can, \$22.25.

S-406 BARWEED. This is a liquid form of 2,4D. 8 oz. bottle sufficient to treat average lawn. Price per bottle 60c postpaid.

S-428 HERBICIDE is poisonous, live stock should be kept off the treated ground until the dead leaves wither away. For ordinary weeds herbicide is diluted with 50 times its volume in water. One gallon will cover 2,500 square feet. Qt., \$1.00, postpaid \$1.20; gal., \$2.50, postpaid \$3.25; 5 gals., \$10.00; 55 gals., \$57.50. By express collect.

AMMATE WEED KILLER (DuPont)

S-404 (Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry. Will kill Poison Oak, Poison Ivy, Poison Sumac, Dandelions and Plantain. Use ¼ to 1 lb. to a gallon of water. Price, 2 lb. bottle, \$1.15, postpaid \$1.35; 6 lb., \$2.95, postpaid \$3.35; 50 lb. drum, \$13.75.

S-468 WEEDUST. For lawns where weeds are few, and can be spot treated, this powder form of 2,4D is effective. Supplied in applicator can from which it can be dusted where desired. 12 oz. canister, \$1.00; Postpaid, \$1.15.

Plant Hormones

TRANSPLANTONE

S-327 One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. ½ oz., pkt., 25c; 3 oz. can, \$1.00; 1 lb. can, \$4.00

ROSETONE

S-291 A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of your bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. packet will treat three to four average size rose bushes. Price each, ½ oz. packet, 25c; 3 oz., \$1.00. Full directions on package.

FRUITONE

S-197 Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2/5 oz. pkg., 25c; 2 oz. can, \$1.00; makes 25 gals. of spray; 8 oz. can, \$3.50.

ROOTONE WITH FUNGICIDE

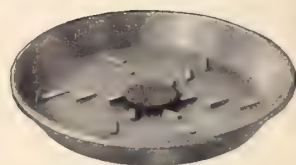
S-288 A hormone powder easy to use, which stimulates root development. No skill is needed to apply, just dip and plant. Newly added fungicide controls damping off and other soil-borne diseases. Price, ¼ oz. pkg., 25c; 2 oz. jar enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

S-289 ROOTONE No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, \$2.00; 1 lb. can, \$10.00

MOIST-SHUR PLANTRAY

S-1434

Green Rubber unbreakable saucers. Will protect pottery and furniture. Has an absorbent center pad which feeds water back to the roots of the plant. Under-side of tray is raised to provide ventilation.



No. 1, takes up to 6 inch pot, price each, 45c; per dozen, \$3.80. Postpaid \$4.00.
No. 2, takes up to 8 inch pot, price each, 75c; per dozen, \$7.80. Postpaid \$8.20.
No. 3, takes up to 12 inch pot, price each, \$1.45; per dozen, \$15.00. Postpaid \$15.60.
No. 4, for ferns and palms, each \$2.50.
No. 5, takes up to a 14 inch wood tub, each \$3.75.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

S-215 POWDER No. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Rose; and similar types. Price, ¼ oz. pkg., each, 50c; 1 lb., \$3.00, postpaid \$3.15.

S-216 POWDER No. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price ¼ oz., 75c; 1 lb., \$4.50, postpaid \$4.65.

S-217 POWDER No. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; ½ lb., \$4.50, postpaid \$4.65.

S-218 COMBINATION PACKAGE OF No. 1-2-3. In one carton, each, 75c

Saxolin Duplex Crinkled Waterproof Tree Wrap



S-1543 For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide about 155 ft. to a roll. Weight about 2 ½ lbs. Each, \$0.95; postpaid, \$1.10; 10 for \$3.00.

Dusters and Sprayers

FEENEY MODEL C DUSTER



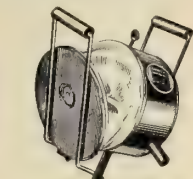
S-742 Splendid Hand Duster. Each, \$1.65, postpaid, \$1.85.

DOBBIN'S IMPROVED HAND DUSTER



S-731 Model 132. Recommended for applying all dust insecticides. A uniform discharge, no waste. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap. Each \$2.45. Postpaid, \$2.75.

S-730 MODEL 103 CHAMPION hand duster, for home gardens, shrubs and small trees. About 8 lbs. capacity. Each, \$9.85; postpaid \$10.50.



S-722 No. 594 CHAPIN HAND DUSTER. One of the finest dusters. Handles all types of dust. Each, \$1.35, postpaid \$1.45.

DOBBIN'S BIGHEAD SPRAYER



S-734 5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Will handle all spray solutions. 4 gallon capacity. No. 44 G Galvanized tank. Each, \$13.45, postpaid \$14.15.

S-737 Stainless steel each, \$23.95, postpaid \$24.75.

BLIZZARD COPPER CONTINUOUS SPRAYER



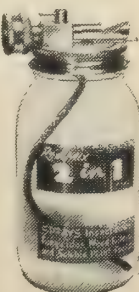
S-800 Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Quart size, \$6.25, postpaid, \$6.50

S-815 REDI-MIX 2 IN 1 SPRAYER. Model 243 works on your garden hose, sprays any material, liquid or powdered that is mixed with water, also soluble plant foods. Equipped with two nozzles, fine and coarse and handy shut-off. Price each \$4.95, postpaid \$5.25.



S-962 DOUBLE DUTY PLANT FOUNTAIN SPRINKLER.

For sprinkling seedlings, plants and clothes. 8 oz. capacity, price ea., \$1.50; postpaid, \$1.65.



HUDSON No. 220B BUGWISER SPRAYER

S-718 Ideal for home, lawn and garden spraying. With safe-T-lock. 3 gal. Galvanized welded tank. Weight 7 1/4 lbs. Each \$7.95. Postpaid \$8.45.



JIM DANDY CART SPRAYER

S-775 The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around.

Equipped with balloon tires and 12 ft. of 3/4 inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each \$37.40.



CHAMPION KNAPSACK SPRAYER

S-717 This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4 1/2 gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each \$28.40; with brass tank, \$32.30.

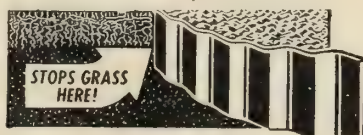


PNEUMATIC HAND SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying.

S-784 GALVANIZED TANK. \$2.25; postpaid \$2.45.

S-786 TIN TANK. \$1.80; postpaid \$2.00.



S-1568 NO-SEE GRASS BARRIER GIVES YOUR DRIVEWAY THAT "ESTATE LOOK" FOR A FEW CENTS A FOOT. Eliminates ragged edges along crushed stone and gravel driveways. Bars grass and weeds from creeping, maintains neat edge. Corrugated, galvanized steel sections 4 inches deep kept together to make any length. Easy to install; just drive down to soil level. Mow right over it, trimming edges neatly. Package of 40 feet for \$4.98, postpaid \$5.45.



G. S. MASTER SPRAYER

S-747 This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, \$6.95, postpaid \$7.30.

S-746 Master Model with adjustable nozzle and 45 degree brass extension, each, \$8.95, postpaid \$9.40.



S-416 STOP-GRASS.

Grass on the edges of your lawn, where it is difficult to mow, can be kept low for from 4 to 5 months by a plant growth inhibitor, Maleic Hydrazide, in this compound. You have probably read about this chemical and hoped it would make lawn mowing obsolete. But scientists

do not yet recommend its use except in a limited way. Spray on strips not more than 12 inches wide on grass close to fences, buildings, etc. In tests, one spray in early spring kept grass low until September. Observe directions exactly. 1 1/2 oz. to treat 400 sq. ft., \$1.00; postpaid \$1.15; 4 oz., to treat 1100 sq. ft., \$2.25; postpaid \$2.40; 1 lb., to treat 4,400 sq. ft., \$6.95; postpaid \$7.20.

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces

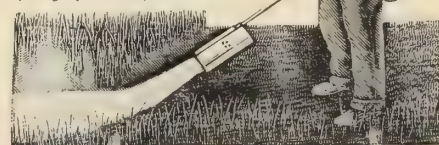


S-1605 Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents wash-outs, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2 1/2 in. high. Width, 45 inches. Price per yd., 28c; 25 yd. lots, 26c per yd.; 100 yd. lots, 25c per yd.; rolls of 250 yds., 24c per yd.

BURN WEEDS AND PESTS

Flame Shooter Gun

S-745 General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weeds and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 60 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$24.80 (weight, 15 lbs.).



S-773 INSECT-O-GUN.

Has a 6 gallon capacity. Deluxe pistol grip model ... handy hang-up hook ... quart mason jar furnished. Exclusive Bradson automatic valve ... water pressure holds it on or off as set. Open air mixing ... can't backflow ... no jets to clog ... sprays any material in penetrating fan spray pattern. Price each, \$5.95, postpaid, \$6.25.



Garden Hose Applicators



HAYES No. 6 SPRAYER

S-755 All Purpose Sprayer. Makes 6 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$9.95, postpaid \$10.35



This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn.

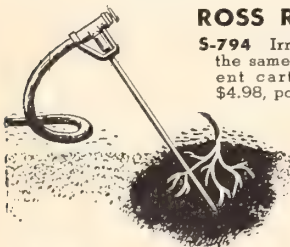
S-703 With adjustable nozzle, \$6.50, postpaid \$6.75.
S-121 ARNOLD WEED-O-SPRAY COMBINATION set consisting of 1 Plastic sprayer and 2 Weed-O cartridges. Price \$1.75, postpaid \$1.90.

CARTRIDGES FOR GARDEN HOSE SPRAYERS

S-120 We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo, Arsenate of Lead, or Chlordane cartridges, each 45c; three for \$1.25; doz., \$4.80, postpaid \$5.00. Lindane Spray Cartridge, each 50c, postpaid 55c.

ROSS ROOT-FEEDER

S-794 Irrigates and feeds at the same time with 12 nutrient cartridges complete, \$4.98, postpaid \$5.35. **Extra cartridges**, pkg. of 12, \$1.00, postpaid \$1.15.



S-797 Acid Cartridge.

S-798 Nutrient Cartridge.

ROSS No. 10 HAND SPRINKLER

S-953 Preferred by nursery men and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, \$1.40; postpaid, \$1.55.



ELKAY NOZZLE S-912

From a powerful jet to a softest mist at the tip of your finger. Precision built. Non-corrosive instant shut off. Ea., \$1.50, postpaid \$1.60.



Sprinklers



SWAN DOUBLE BRAID GREEN GARDEN HOSE No. 8190

S-927 Full 5/8 inch. This hose is guaranteed for 10 years. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length coupled, \$12.75, postpaid \$13.60.

S-960 SWAN HOSE No. 8500. Swanseal, clear green plastic, 1/2 inch. Guaranteed for 10 years. 25 ft. lengths \$4.00 each; 50 ft. length \$6.95 each.

S-971 IMPROVED SWAN SPRINKLER SOAKER. Model 15. Does the work of a lawn sprinkler and soil soaker. The oval shaped tube has hundreds of tiny holes pierced on one side only. To sprinkle turn the openings up, to soak turn them down. Made of beautiful green plastic. Will not fade, mildew, rot or suncheck. Has solid 3/4 inch brass couplings. Extra lengths can be joined. 25 ft. lgth. \$2.89, postpaid \$3.10 each; 50 ft. lgth. \$4.45 each, postpaid \$4.70.

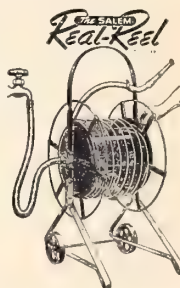


AVON MODEL No. 950 LAWN AND GARDEN SPRINKLER

S-901 Mounted on sled-like frame that moves with ease by pulling hose to change its position. Covers about 1,500 square feet or more, depending on water pressure, in a rectangular area 30 ft. on either side and 30 ft. in width. Price each, \$12.95, postpaid \$13.25.

HOSE REEL

S-963 The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable rubber tire wheels. Price each, \$16.50, express collect.



LINCOLN PARK OR BUTTERFLY SPRINKLER

S-935 Cheapest and best sprinkler made. Each, \$1.25; postpaid, \$1.35.

JUSTRITE BRASS HOSE NOZZLE

S-936 For lawn and garden. Can be changed from fine spray to stream. 3/4 inch each, \$1.45; by mail \$1.55.



S-946 SUNBEAM RAIN KING MODEL N-1A Nozzle, each, \$1.39; postpaid \$1.50.



S-976 Resinote Soaker-Spray. Vinyl Plastic New dual use sensation, it sprays, it soaks, its guaranteed. 20 ft. length, \$1.95, postpaid \$2.15; 35 ft. length, \$3.35, postpaid \$3.25; 50 ft. length, \$4.35, postpaid \$4.65.

ROSS SQUARE SPRAY HEADS



S-957 It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for 1/2 in. pipe, capacity 3 1/4 gals. per minute. 54A. Price, ea., 85c; per doz., \$9.00, postpaid \$9.35.

S952-2A 1/2 or S951-4A 1/4 circle heads. Price ea., 75c; doz., \$7.80, postpaid \$8.10.

SOIL SOAKER

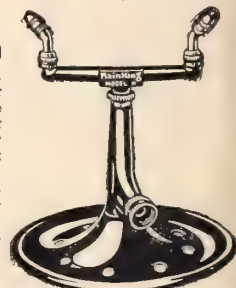


S-968 Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe.

No. 0, 12 ft. \$1.80, postpaid \$1.95
No. 2, 30 ft. 3.70, postpaid 3.90
No. 1, 18 ft. 2.40, postpaid 2.60
No. 3, 50 ft. 6.00, postpaid 6.30

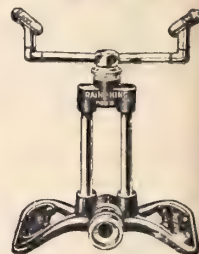
RAIN KING SPRINKLER MODEL H

S-949 Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 1/4 in. tall; 9 1/4 in. from nozzle to nozzle. Price ea., \$7.95, postpaid \$8.35. Shipping weight, 5 lbs.



MODEL K

S-945 Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, \$8.75; postpaid \$9.15. Shipping weight, 5 lbs.

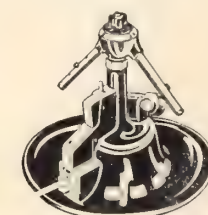


MODEL D

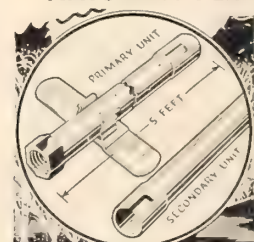
S-947 Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each \$5.95, postpaid \$6.25. Shipping weight, 4 lbs.

TRAVELING SPRINKLER Model K20

S-948 Fully automatic, can be set to sprinkle areas 5 to 50 feet as it travels, straight or around corners. Will travel up to 100 feet. Price each, \$35.00, postpaid \$35.75. Shipping weight 9 lbs.



NATURAIN PERFORATED PIPE

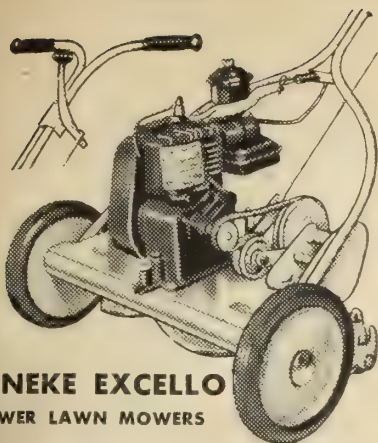


Made of durable aluminum and stainless steel. Each section 5 ft. long, weighs less than a pound. Ordinary pressure will throw water 20 ft. Extra 5 foot lengths can be connected with a twist of the wrist.

S-942 Primary unit with connection, price each, \$2.95; postpaid \$3.15.

S-942A Secondary Units, each, \$2.75.

postpaid \$2.95. With ordinary pressure five units can be used.



HEINEKE EXCELLO POWER LAWN MOWERS

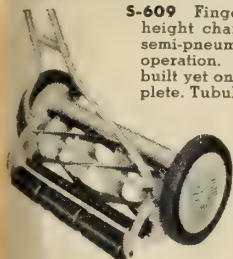
Long-lasting, sturdy construction for maximum performance... for the average size lawns. Stepped up power with Briggs and Stratton 1.1 H.P. air cooled 4 cycle engine. Light weight, easy to operate, positive clutch action, semi-pneumatic tires, all steel construction.

S-616 Model 518. Shipping weight, 115 lbs. 18", each \$102.75.

S-617 Model 521. 21", with 1.6 H.P. engine, shipping weight, 127 lbs., price each, \$115.50.

CLEMSON LAWN MOWER E-17

S-609 Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, \$33.95.

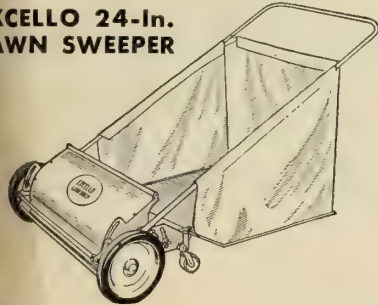


S-601 GRASS CATCHER. Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear

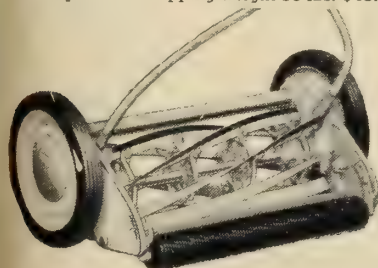
of bottoms. Also adds to catcher's overall strength. Adjustable to fit all hand mowers from 12 to 18 inch widths. Price, each, \$2.00; postpaid, \$2.25.

S-615 FLEXIBLE MOWER BLADES. No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches, ea. \$2.95; postpaid \$3.10.

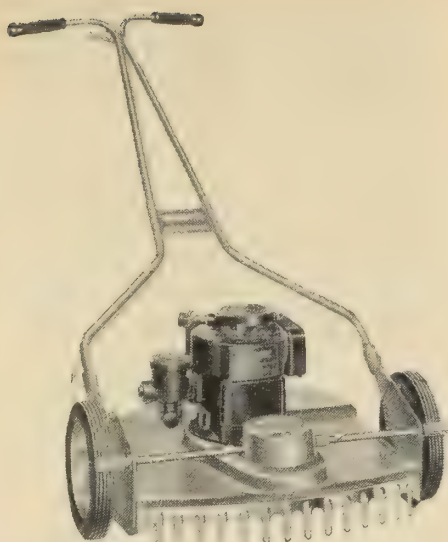
EXCELLO 24-In. LAWN SWEEPER



S-631 Save time and energy, eliminate tedious raking. Let the quiet Excello lawn Sweep gently sweep leaves, grass clippings, small twigs, and paper from your lawn and driveway into a canvas basket with easy action. Width 24 in. All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self-adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. Shipping weight 55 lbs. \$45.00.



S-602 CREEPING BENT MOWER. Designed for creeping bent only. This mower has 6-inch heavy cutting reel, 7 crucible steel blades, crucible tool steel bed knife, heavy duty rubber covered roller, 1 1/4 inch steel shock bar, semi-pneumatic tires, self-adjusting ball bearings, tubular steel handles. Has a light green with dark green trim. Comes in 16 inch width only. Shipping weight 49 lbs. Price each, \$29.95.

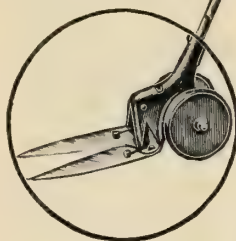


S-634 SUNBEAM SELF-PROPELLED 21-INCH ROTARY MOWER High or low selective transmission gives wide range of speed. Assures maximum cutting power at all times. Full 21 inch alloy steel blade. Powerful, lightweight 2 hp. Briggs & Stratton 4-cycle, air-cooled engine with recoil starter. Easy cutting height adjustment from 1 to 3 inches. Price each, \$149.50. Shipping weight 88 lbs.

S-635 SUNBEAM MULCHER ATTACHMENT. For mulching leaves, each \$9.95. Shipping weight 8 lbs.

DOO-KLIP GRASS SHEARS

S-1015 Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The blades are



made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$4.25; postpaid, \$4.60.

S-1016 Short handle.

Price each \$2.10; postpaid, \$2.25

MASTERS HANDI-CART



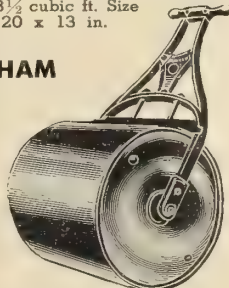
S-507 Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the Cart. Model 54, size of wheels 10 in. diameter. Capacity 3 cubic ft. Size hopper of body 27 x 18 x 13 in. Price each, \$9.50.

S-508 Model No. 55, new Deluxe model with heavy tubular handle and rubber grips. Size of wheels 10 in. diameter. Capacity 3 1/2 cubic ft. Size of hopper body, 27 x 20 x 13 in. Price, each, \$13.95.

GENUINE DUNHAM

Water Weight Rollers Lawn with Oilite Bearings

Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle.



		Diam.	Lgth.	Wt.	Wt.	Price
	No.	in.	in.	Empty	Filled	
S-605	1	12 1/2	18	30#	100#	\$12.25
S-611	2	14	24	50	160	16.00
S-612	4	18	24	60	220	19.50
S-613	7	24	24	80	400	24.00
S-614	*109	24	32	100	575	62.00

*With roller bearing.



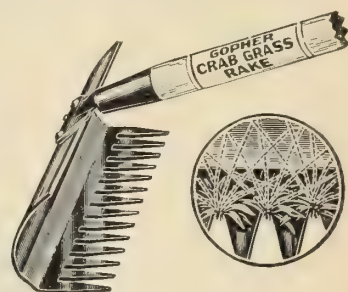
S-636 SUBURBAN TILLER, 2HP-11 Inches Wide. Can be extended to 19 inches. Designed for city dweller and all gardeners. Sturdily and durably constructed. Rotary or reel type mower can be easily attached. Prepaid price each, \$146.50.

Attachments for above:

S-636A	Suburban Power Drive Unit	\$35.50
S-636B	Suburban Reel Mow	69.00
S-636C	Suburban Rotary Mow	57.50
S-636D	8" Extension lines, pr.	8.75
S-636E	Disc cutters, pr.	4.00
S-636F	Suburban Power Unit, 2 hp. (less tiller)	114.75
S-636G	Suburban Chassis, less engine	54.00
S-636H	Suburban Tiller Unit, 11"	43.50

HANDY CRAB GRASS RAKE

S-1013 This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass. Shear off the entire head of the plants and keep them from further seeding.



\$1.95; postpaid \$2.50.

S-1115 ROWE'LE-ZY. Instead of shears to clip the grass near walks, beds, borders and other edges which lawn mowers cannot reach, Rowe'Le-Zy (roll easy) will do it faster and better. One turn of the rubber tired driving wheel is equal to 16 snips with the shears in your weary hand. It works forward and backward on your left or right, and where lawn is above or below a walk. It will save you hours of the most tedious lawn task. Each, \$4.95, postpaid \$5.35.



LAWN CULTIVATOR

For sturdy grass growth aeration is essential to let air and water into the soil.

S-503 No. 8T, 8 discs, each 10 inches in diameter, rolling width 16 ins. Net weight 35 lbs. Tray is provided so weight may be added. Each \$18.50. Hitch for attaching 8T cultivator to most power mowers, \$5.20.

S-504 No. 30, 19 discs, each 10 inches in diameter, rolling width 18 inches. Net weight 80 lbs. Each, \$51.00.





NO BLISTER TROWEL

S-1141 Scientifically designed to prevent blisters. Curved handle with velvet grip fits the hand and is kind to the palm. Metal is rustproof. Each, \$1.25; postpaid, \$1.40

BORDEN TROWEL

S-1072 Slender blade of polished aluminum with sure-grip wooden handle, light weight but durable. It serves as both weeder and planter. Each \$1.00 postpaid.



ALUMINUM GARDEN TROWEL

S-1139 Made of all aluminum. One piece, heavy duty trowel, each 85c; postpaid 95c.

S-1139A For transplanting, Aluminum, narrow, one piece. Each, 75c; postpaid, 85c.

STEEL GARDEN TROWEL

S-1077 Made of high quality carbon steel with hard wood handle. Price each, 50c; postpaid, 65c.

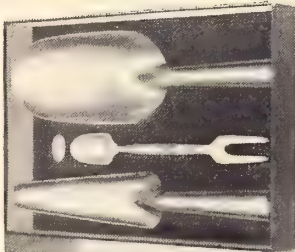
S-1076 All Steel Highest Quality. One piece steel shank. Price each, \$1.75; postpaid, \$1.85.

MELCO FEATHERLIGHT SET

POLISHED

S-1093

Set of 3 for \$3.95, postpaid \$4.25.



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are rust-proof, and easily cleansed.

KNEE PADS

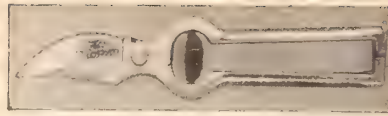


S-1117 All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, \$2.25; postpaid, \$2.45.

METAL LAWN SIGNS

S-1908 These attractive signs have raised letters, baked enamel finish, holes for attaching to stakes. Size, 3 3/4 x 12 inches. Colors, green on white and black on white. Sign wordings—Please—Seeded—Keep Off The Grass. Signs with stakes, each, 60c, postpaid 70c; six for \$3.00, postpaid \$3.25.

KEEP OFF THE GRASS



IMPORTED PRUNING SHEARS

S-1071 These are of finest quality Italian steel, fully polished, with ratchet and lock-nut for tightening. Each \$1.95; postpaid \$2.10.

HENCKEL IMPORTED PRUNING SHEARS HIGHEST QUALITY



S-1048B 8 1/2 inch full polished with replaceable coil spring. Each, \$6.50, postpaid \$6.65.

S-1048C 9 1/2 inch, each, \$7.45, postpaid \$7.60.

S-1048D 8 1/2 inch, with brass springs, each postpaid \$7.10.

CLYDE TREE PRUNERS

Sent Express Only

S-1144
6 ft., each, \$4.25 10 ft., each, \$5.25
8 ft., each, 4.75 12 ft., each, 5.75

GARDEN CLUB ROSE AND FLOWER HOLDER SHEAR



S-1028 Sturdily constructed of rustless, stainless cutlery steel. Each \$2.25, postpaid \$2.40



PORTER ONE-HAND PRUNER

S-1101 This pruner is twin-cut professional, forged from tool steel. The pivot bolt cannot loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, \$7.00; postpaid, \$7.15.



BUCKEYE PRUNER

S-1009 A strong rugged pruner, handles reinforced by strap iron. 20 inch, each \$5.50; postpaid, \$5.75; 24 inch, \$6.50; postpaid, \$6.75.



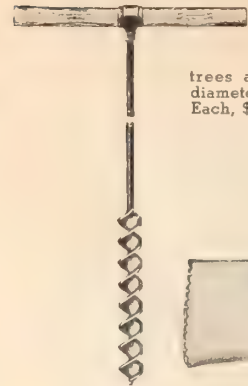
S-1127 SNAP CUT PRUNER. Heavy duty, full polished, \$2.95; postpaid, \$3.10.

SUNBEAM ELECTRIC HEDGE TRIMMER



S-628 A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, \$45.75. Extra cord 50 ft., \$3.95. 100 ft., \$6.95.

GREENLEE EARTH AUGER



S-1004 Especially adaptable for drilling holes for feeding fertilizer to trees and Evergreens. 2 inch diameter length 40 in. Each, \$6.25. Postpaid \$6.50



NEW IMPROVED GREEN THUMB GLOVES

S-1019 Soft, washable for garden and house use. Ladies small, medium and large. Specify size when ordering. Price per pair, 89c; postpaid 95c.

S-1014 Men's size, pair 98c; postpaid \$1.05.



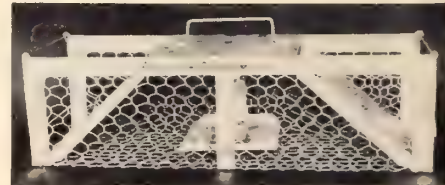
BLUETTES GARDEN GLOVES

S-1099 Neoprene coated elastic knit. Short fingers to fit every hand snug to the tips. Knit lining. In Small, Medium and Large sizes. Price per pair, \$1.49, postpaid. Specify size when ordering.



S-1042 Made of imported leather processed to make it pliable as kid and washable. Sizes for women, Small, Medium, Large, \$1.65; for men, Medium and Large, \$1.75; a pair, postpaid.

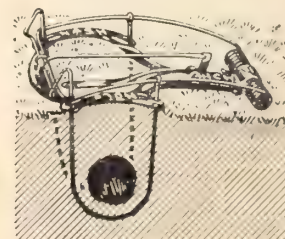
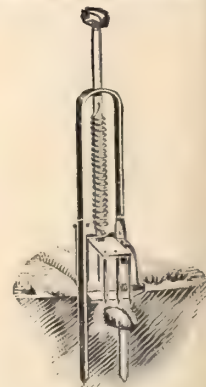
HAVAHAART ANIMAL TRAPS



S-1045 No. 1—5x5x18 in. For weasels, rats and chipmunks, each, \$4.20; postpaid, \$4.50.
No. 2—7x7x24 in. For muskrats, mink, squirrels and rabbits, each, \$5.40; postpaid, \$5.75.

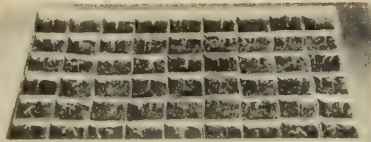
No. 200 REDDICK MOLE TRAP

S-1107 Self setting, Trigger sets automatically. Needle sharp tines. Sturdy construction. Each, \$2.35; postpaid, \$2.60.

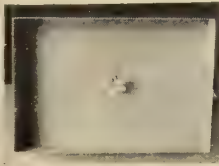


S-1108 NASH CHOKER-LOOP TRAP. This trap catches the mole in all kinds of ground. Price, each, \$3.00, postpaid \$3.25.

Vaughan's Wick-fed METAL SEED STARTER



View of Wick-fed Starter with Plant Bands
Size, 12x18 inches, 4 inches high



How wick is placed in
bottom of starter



End view showing water
pan below

COMPLETE, WITH FIBRE GLASS WICK, PLANT BANDS AND SPHAGNUM MOSS, For \$3.25

(Wt., 7 lbs.) Prepaid to 3rd zone (600 miles)
Add 45c for postage, if beyond 3rd zone

S-1628 This up-to-date metal seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many gardeners. This is full size "flat," made of 28 gauge steel, enameled green, which will last for years, and which you will be glad to have in your sun parlor or window. It makes use of two of the most recent, scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an over flow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

Complete instructions for operation are shipped with every order.

GRO-QUICK Electric Seed Bed Heater

S-1626 Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price \$6.75. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price \$9.00; Jr. cable only price \$2.25; Sr. cable only price \$4.50.

VITAPANE

S-1624 A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$12.00; 1/2 roll, \$6.50; per yd., 85c.



SEED FLATS-WOOD

S-1409 Made from Cypress and Pine. Flats come knocked down. Put up in bundles of 10 flats. Approx. Weight Per bundle 45 lbs.

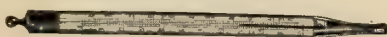
No. 3. —21 1/2 x 14 x 2 3/4 in. per bdl. of 10.....\$7.40
No. 3-A.—21 1/2 x 14 x 3 3/4 in. per bdl. of 10.....8.20
No. 4. —24 x 15 x 2 3/4 in. per bdl. of 10.....8.40
No. 4-A.—24 x 15 x 3 3/4 in. per bdl. of 10.....9.20

We do not break bundles

CEL-O-GLASS

S-1602 Will take the place of glass. Unbreakable and very light in weight. Will not break like glass or tear like cloth. Flexible, easy to handle and install. Especially recommended for hotbeds and cold frames. 3 ft. wide. Per yard \$1.85; 25 ft. roll \$10.75; 100 ft. roll \$37.50.

THERMOMETERS



S-1638 HOTBED. All glass, each, \$2.25, postpaid.

SEED SOWER

S-1604

CYCLONE. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Ea., \$4.30. Postpaid, \$4.75.



S-1090 KRASBERG SEEDER-FEEDER- WEEDER.

An amazing new scientific garden tool that saves you time and money. Insures a green velvet smooth carpet of grass by continuous, uniform spreading of lawn seed, dry fertilizer and dry weed killer. Approximate shipping weight 2 lbs. Each, \$4.95, postpaid \$5.25.

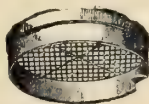


Plastic - seeds visible as sown - go twice as far. Saves thinning - for peas to petunias.

S-1627 Postpaid, 60c.

GRAFTING WAX

S-212 Has many uses unexcelled for use in painting cuts, and bruises, and after trimming also for grafting and budding. 1/2 lb. bar 35c, postpaid 40c; 1/4 lb. bar, 50c, postpaid 60c; 1 lb. bar, 80c, postpaid 95c.



S-1911 SIEVES. For sifting soil. 18 inches in diameter, sizes 1/8, 1/4, 3/8, and 1/2 inch. Specify size when ordering.
Each, \$3.00. Postpaid, \$3.25.

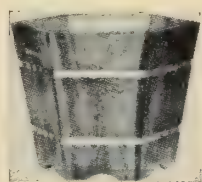
SOIL SUBSTITUTE FOR STARTING PLANTS—"TERRALITE"

Terralite is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Terralite is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather.

Prices, 1/2 peck bag, 40c; postpaid 50c. 1/2 bushel bag, 90c, postpaid \$1.25; 4 bushel bag, \$3.50. Shipped by express, charges collect.

BEAUTIFUL CALIFORNIA PLANTUBS MADE OF REDWOOD



No. 1—12 in. \$4.60 ea.
No. 2—14 in. 6.25 ea.

No. 5—20 in. \$9.95 ea.

S-1432 For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. Grooved handles.

No. 3—16 in. \$7.65 ea.
No. 4—18 in. 8.50 ea.

FLOWER TUBS "RICHMOND STYLE," GREEN

S-1433 Made of the finest lumber, securely bound with welded wire hoops. Painted green.

Top Dia.	Depth	Price Each	Postpaid
7 in.	6 in.	\$1.70	\$1.90
8 in.	8 in.	1.85	2.10
10 in.	9 in.	2.35	2.65
12 in.	11 in.	3.25	3.65
14 in.	13 in.	4.45	4.95
16 in.	15 in.	5.45	6.10



HOTKAPS

These plant protectors mean larger, earlier, premium crops

S-1618 Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

S-1619 HOTKAP SETTER. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. Fibreboard Setter alone, 25c, postpaid 35c; Steel Hotkap Setter, \$1.95, postpaid \$2.15.

Prices: 1,000 lots, \$18.35; 5,000 lots, \$18.20 per M. 10,000 lots, \$18.05 per M; 25,000 lots, \$17.90; 250 Trial Package including Fibreboard Setter \$5.90; 100 Home Package, including Fibreboard Setter, \$3.15. Wt., 1,000 package HOTKAPS, 33 lbs.; 250 package, 10 lbs.; 100 package, 5 lbs.

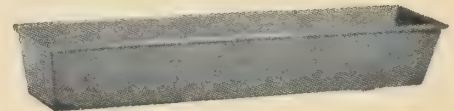
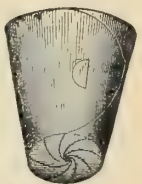
Special Trial Garden Packages 25 Hotkaps

Including setter. Package of 25 Hotkaps and cardboard setter, 95c, postpaid \$1.10; package of 100, including fibreboard setter, \$3.15, postpaid, \$3.40.

NEPONSET PAPER POTS (Red)

S-1437 Made of waterproof paper, light, clean and unbreakable.

	Doz.	100	1000
2 -in.	\$0.25	\$1.40	\$ 9.90
2 1/2 -in.	.30	1.50	10.20
2 3/4 -in.	.35	1.80	10.50
3 -in.	.40	2.00	11.10
3 1/2 -in.	.50	2.20	15.30
4 -in.	.60	2.95	17.40
5 -in.	.75	3.50	25.20
6 -in.	.85	3.95	29.70



Streamlined Flower and Plant Boxes

S-1436 All steel, leakproof, made of 26 ga. steel. Finished in high lustre baked green enamel, 8 inches wide, 5 1/4 inches deep.

18 inch.....each, \$1.85, postpaid \$2.10
24 inch.....each, \$2.10, postpaid \$2.35
30 inch.....each, \$2.35, postpaid \$2.65
36 inch.....each, \$2.85, postpaid \$3.20

GLASS WOOL MULCH



S-1607 Has been proved superior for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bates; 24" x 96" in size and approximately 1 1/2 inches thick at 1 1/2 lbs. per cubic foot density. Price, per bat, \$1.60, postpaid \$1.80; three for \$4.50, postpaid \$4.95; carton of 9, \$12.75, express collect.

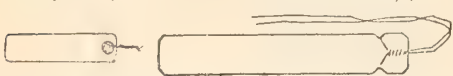
SPHAGNUM MOSS

S-1923 NODAMPOFF SPHAGNUM MOSS. Sphagnum moss is a sterile material containing antibiotic qualities. Fungi and bacteria cannot live in it. By sowing seed in a thin layer of this moss spread over the soil in the pot or flat, damping off is prevented. Cuttings rooted in sphagnum are easily transported and transplanted without disturbing their roots. This moss is horticultural grade, milled ready for use. Package, 89c; postpaid \$1.05.

S-1807 Sphagnum Moss in burlapped bales, Ea., \$4.50.

4-inch.....	100	1000
6-inch.....	\$0.90	\$ 4.35
	1.10	5.75

S-1510 12 inch by 1 1/4 inch wide..... 2.45 21.00
S-1541 TREE, LABELS COPPER WIRED, 3 3/8 in.
 100, \$1.00; 1000, \$5.85

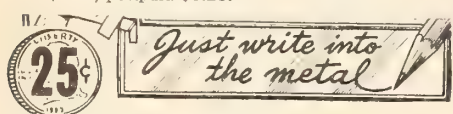


S-1515 LABELS. Zinc, Tree, Wired 3 3/4 inches long
 3/4 inch wide. Price, pkg. of 25, 75c; 100, \$2.25,
 postpaid, \$2.40.

PERMA LABEL ZINC New Improved Type



S-1512 Same as illustrated above. These labels do
 not have hole. They can be tied around twig or limb
 with one loop. Made of soft zinc, should last per-
 manently. Price, per 100, \$1.35, postpaid \$1.45; 500
 for \$6.00, postpaid \$6.25.



S-1563 PERMATAG. Aluminum markers, rustproof,
 always legible. 24 labels, 25c, postpaid, 35c.

RAINBOW GARDEN LABEL



S-1528 A high grade weatherproof tempered label,
 will last indefinitely. Size of labels 1 1/2 x 3 1/8" thick.
 Marking although indestructible by weather may
 easily be erased or rubbed off with soap and water
 so that the label can be reused. It can also be used
 as a support when not being used as a label. Easy to
 read because of white marking on dark background.
 The stake is made of high grade silver-bright gal-
 vanized steel. Label with 9 inch stake, per kit of 12
 including white special weatherproof pencil for \$1.50,
 postpaid \$1.65. Markers with 18 inch stakes per kit
 of 24, \$2.75, postpaid \$3.00. Kit of 50 markers 18
 inch stake, label 2 1/4 x 1 1/8 inch thick, price \$5.50,
 per kit of 100, \$10.00.

DREAM SPIRAL WRAP ZINC LABELS



"Kit" size (average garden size) contains 24 Labels,
 with ample Etchant ink and applicator @ \$1.00 ea.
 "50 UNIT" size (for 50' x 100' premises) contains
 50 Labels, Etchant and applicator @ \$1.75 ea.
 "100 UNIT" size contains 100 Labels but NO
 Etchant or applicator @ \$2.75 ea.
 "1000 UNIT" size for Estates, Orchards, Parks, and
 Cemeteries with large bottle of Etchant and applicator
 @ \$24.00 ea.

TWISTEMS

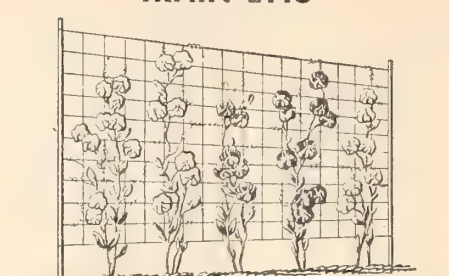
S-1544 New handy plant tie. A twist of
 the wrist and a plant is tied. They are
 dark green so they blend with the foli-
 age. No twine, raffia or shears needed.
 Handy for tying tomatoes, peonies,
 dahlias, etc. 8-in. size, price per package of 100, 25c;
 postpaid 30c. 16-in. size, price per pkg. of 100, 50c;
 postpaid, 60c. 250 ft. continuous roll, \$1.00; postpaid,
 \$1.15.



Adjusto Plant Support

Adjusto Plant Support
S-1501 Has a unique self-locking
 adjustable feature causing the loop
 to positively stay where put, yet it
 can be instantly adjusted to any
 height desired. The heavy green
 painted wood stake 7/8 inch square
 will stand firmly in the ground. The
 hoop is of 8 gauge galvanized wire,
 13 inches in diameter, and may be
 opened up to put around large
 plants, 3 ft., doz., \$4.45; 4 ft., doz.,
 \$5.25; 5 ft., doz., \$5.85; extra wire
 hoops, doz., \$2.25.

TRAIN-ETTS



S-1437 New weatherized trellis netting. Ideal support
 for Sweet Peas, Morning Glories or any of the light
 climbing vines. Made in three sizes. No. 1, 60x72
 in., 65c, each, postpaid, 75c. No. 2, 60x96 in., 85c,
 each, postpaid, 95c. No. 3, 60x180 in. \$1.25, each,
 postpaid, \$1.35.

STAKES

S-1539 STAKES—HEAVY TONKIN. Natural Color
 Heavy weight bamboo, entire stake same weight;
 do not taper. Ideal for roses, dahlias, young trees, etc.
 Will last a lifetime.

Length	Diameter	F.O.B. N.Y.	F.O.B. Chicago
4 ft. 1 1/2 to 5/8 inch	Doz. 100	\$1.75	\$2.00
5 ft. 5/8 to 3/4 inch	Doz. 100	2.20	2.50
6 ft. 3/4 to 1 inch	Doz. 100	2.50	2.75
8 ft. 1 to 1 1/4 inch	Doz. 100	2.75	3.00

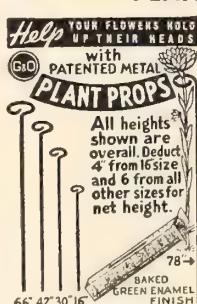
S-1561 STAKES—WOODEN. Painted Green.
 Heavy Grade (for Dahlias). Per doz. Per 100
 3 ft. \$2.40 \$18.20
 4 ft. 3.20 23.25
 5 ft. 4.05 30.20
 6 ft. 4.45 35.60

S-1562 Light Grade (for smaller plants).
 Doz. 100 Doz. 100
 1 1/2 ft. \$0.70 \$ 4.15 3 1/2 ft. \$1.95 \$14.60
 2 ft.95 6.45 4 ft. 2.20 15.40
 2 1/2 ft. 1.35 8.60 5 ft. 2.90 20.50
 3 ft. 1.65 11.60

S-1502 STAKES—BAMBOO. Painted Green.
 100 1000 100 1000
 1 1/2 ft. \$1.35 \$6.50 3 ft. \$1.95 \$12.25
 2 ft. 1.50 8.50 3 1/2 ft. 2.35 14.25
 2 1/2 ft. 1.75 9.95 4 ft. 2.50 15.95
 Bamboo not painted, 6 ft. 3.25 27.50

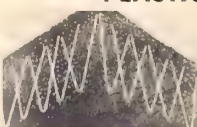
STAKES—Galvanized Wire.
S-1556 No. 9 Wire Doz. 100 No. 8 Wire Doz. 100
 1 1/2 ft. \$0.55 \$2.75 3 1/2 ft. \$0.90 \$4.95
 2 ft.65 2.95 6 ft. 1.45 7.50
 2 1/2 ft.75 3.50

PLANT PROPS



Processed stiff steel of varying thickness to suit a
 surplus of weight. Termite and rot proof. Almost invisible
 blending with plant. Prices on all sizes (overall) by the
 dozen—16" @ 80c, postpaid 90c, 30" @ \$1.85, post-
 paid \$2.00, 42" @ \$2.25, postpaid \$2.45, 66" @ \$3.65,
 78" @ \$5.50, by express collect.

PLASTIC PICKETTES



Make your own colorful
 rustproof fence for protect-
 ing your flower beds, cor-
 ners, or newly seeded lawn
 from accidental abuse.
 Pickettes are made of extra
 heavy gauge steel wire, cov-
 ered with Tenite #1 plastic. Won't chip, crack, rust or
 peel or ever need painting. Can be compressed for
 storage. Can expand up to 2 feet. Measure 18 in. in
 height. Available in green or white. Price per box of
 12, \$2.50, postpaid \$2.75.



S-1506 EXTENSION TRELLIS OR FENCE, painted
 white. Stretches and contracts, it is inexpensive. Has
 many uses for trellis or fencing. Bends easily around
 corners, and folds when not in use. No. 22-8, can
 be expanded from 3 to 9 ft. long, from 15 to 29 in.
 high, weight, 3 1/2 lbs., each \$3.10. No. 30-10 can
 be expanded from 3 to 14 ft. long, from 15 to 39 in.
 high, weight 4 1/2 lbs., each, \$3.75. No. 44-12 can
 be expanded from 3 to 16 1/2 ft. long, from 15 to
 59 in. high, weight 8 lbs., each, \$6.85.



Ornamental Lawn Fans

Most popular and inexpen-
 sive. Are most substantially
 built in natural wood finish.

S-1513 No. 106—Height,
 72 in. Spread, 42 in.
 Price, each, \$2.25.

S-1514 No. 108—Height,
 96 in. Spread, 60 in.
 Price, each, \$3.00.

Too large for mailing, ex-
 press only.

Wayward Vine Guide and Support

S-1547 For Training and Supporting Ivy, Small
 Fruiting Trees and all other Vines, etc. on Brick,
 Stucco, Stone and Cement Walls without Defacing.
 No Nails—No Holes. Price, box of 25, including
 cement, \$1.00; postpaid, \$1.15.

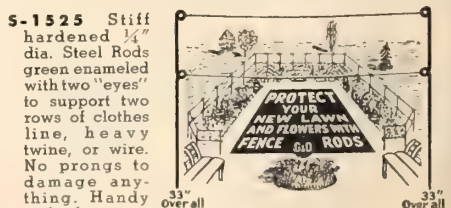
METAL WICKET SHIELD



S-1516 Green enameled
 sturdy steel shields that protect
 shrubs, lawns, gar-
 den borders, trees,
 etc. Inconspicuous
 because color
 blends with foliage.
 No prongs to tear.
 Twelve Wickets
 overlapped 2"
 makes a practical
 "Keep Off Please"
 fence about 12'
 long.
 Price per dozen
 \$3.00, postpaid
 \$3.35. Carton of six
 dozen, \$16.80.

PROTECTION FENCE RODS

or Tomato Rods



S-1525 Stiff
 hardened 1/4"
 dia. Steel Rods
 green enameled
 to support two
 rows of clothes
 line, heavy
 twine, or wire.
 No prongs to
 damage any-
 thing. Handy
 and safe protec-
 tion to lawns, trees,
 shrubs, and gardens against
 humans and pets. Also very popular for "cradling"
 peonies, tomatoes, and bushy plants.

33" (overall) size @ \$2.65 per dozen, postpaid \$2.95.
 48" (overall) size @ \$3.35 per dozen, postpaid \$3.75.

SHRUB-GARD



S-1530 An invention that protects
 your shrubbery from the menace of
 destructive corrosive action caused
 by dogs. Makes the dog's visit so un-
 comfortable that he keeps away,
 yet it is so constructed that it will
 not harm the dog. The Shrub-Gard
 is a unit of steel spring wires that
 are flexible and will not tear clothing of passersby.
 Each Shrub-Gard has three prongs and covers ap-
 proximately two and one half lineal feet. Harmless
 to dogs or humans. Packed one dozen to a carton.
 Weight 2 1/2 lbs. Price per carton of dozen, \$3.85;
 postpaid, \$4.15.

WREN HOUSE No. 16



S-1720 This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$2.50; postpaid, \$2.75.

S-1706 BLUE BIRD HOUSE No. 5 similar to the above, stained brown. \$1.85; postpaid \$2.10.



MARTIN HOUSE No. X215

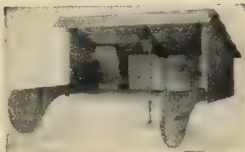
S-1716 Twenty compartment unpainted, \$25.20. House two stories high. Painted two coats in white and green, \$32.50.

No. X315. Twenty-eight compartment house, three stories high, unpainted, \$29.70. Painted two coats white and green, \$34.50. Crating charge, \$1.50 extra.

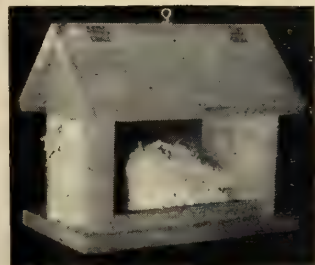
S-1722 Erection pole for Martin House, \$18.00.

No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.



S-1711 Size 24x12x12. Shipping weight 16 lbs. Price stained brown with wood back \$ 9.30
S-1712 Price stained brown with glass back. . . 12.45
S-1710 Erection Post bored for mounting rod. . 3.35
 Above sent by express collect.



S-1723 No. 13G Feeding Station 7 1/2 x 12 inches. Made of clear California Redwood, fitted with brass hardware and screws. Suet cakes can be set in the ends of this station. Shipping weight 5 lbs. Price each \$2.95, postpaid \$3.50.

No. FS 10. Garden Craft Bird Feeder

S-1703 This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, \$2.70; postpaid, \$2.95.



S-1709 Erection pole with arm \$1.90. (Not Mailable.)

S-1725 PLASTIC BIRD FEEDER. An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Comes in three colors, Blue, Red and Yellow. Each, \$1.00; postpaid \$1.25.



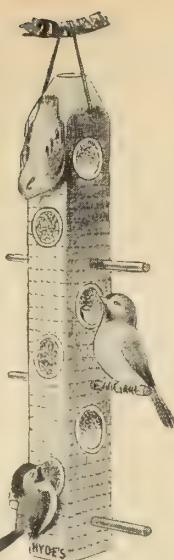
S-1717 ROBIN ROOST No. 4 Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each \$2.75; Postpaid \$3.00; 3 for \$7.80.

COMMUNITY DINER, Aerial Picnic Grounds for clinging and perching birds.

S-1715 No. CDD filled, each, \$2.10; postpaid, \$2.35.

S-1714 No. CDE filled with 24 extra tidbits each, \$3.10, postpaid, \$3.30.

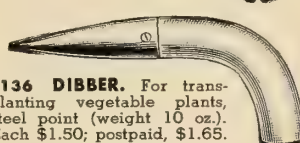
S-1713 CT24, containing 24 extra tid-bits, each, \$1.35; postpaid, \$1.50.



S-1724 No. 15G FEEDING STATION. 9 1/2 x 12 in. Made of clear California Redwood, fitted with brass hardware and screws. Suet cakes can be set in the ends of this station. Shipping weight 5 lbs. Price \$5.40 each, postpaid \$5.85.

HOLE-IN-ONE BULB AND PLANT SETTER

S-1068 Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small, hand tool for cultivated soil. Each, 95c; postpaid, \$1.05.



S-1136 DIBBER. For transplanting vegetable plants, steel point (weight 10 oz.). Each \$1.50; postpaid, \$1.65.

THE JIFFY PLANTING TOOL

THE JIFFY PLANTER, which one can use in a standing position, is a sturdy practical addition to one's garden tools. Built to give a lifetime of service.

It is made of strong durable steel with a tubular steel "T" handle. It easily cuts a cylindrical hole up to ten inches deep depending on the pressure put on the angle foot bar. A slight twist and the tool draws out the soil leaving an ideal hole for setting of bulbs and plants, and automatically pushes the soil from the cylinder with each succeeding insertion. Bulbs and plants can be planted to correct and uniform depth without leaving air spaces as so often happens when a trowel is used. Each \$3.00; weight 5 lbs.; add postage.

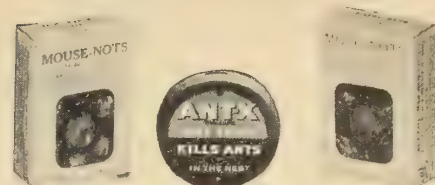
FLYING DISK

SCARE Birds and Animals Away

Amazing protection for newly planted seeds, berries, tender seedlings, fruit trees, etc. Made of shining aluminum, FLYING DISKS spin and whirl madly in all directions—give blinding reflections and weird jingling, crackling sounds—to scare birds and animals away. Easily strung across area to be protected—or from branches of fruit trees and vines.

10 FLYING DISKS with complete instructions, only 25¢

PEST EXTERMINATORS



S-116 ANT-X-TRAP. Death to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c, postpaid 30c.

six for \$1.25, postpaid \$1.50

S-115 ANT-X JELLY BAIT. Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c, postpaid 45c; 4-oz. tube, \$1.00, postpaid \$1.15; industrial size, 5-lb. pail, \$15.00.

S-165 DOG-CHECK. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, 60c, postpaid 70c; 8-oz. size, \$1.00, postpaid \$1.15

S-284 RAT-NOTS. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 35c, postpaid 40c; Estate size, 50 Nots, \$1.00, postpaid \$1.15.



S-237 MOUSE-NOTS. Impregnated seed; pregated seed bait kills mice. Trial size package, 9 Nots, 35c, postpaid 45c; Estate size, 50 Nots, \$1.00, postpaid \$1.15.

S-235 MOLE NOTS. Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c, postpaid 45c; Estate size, 50 Nots, \$1.00, postpaid \$1.15; Jumbo size, 125 Nots, \$2.00, postpaid \$2.20; Gardener size, 400 Nots, \$5.00; Giant size, 1,000 Nots \$10.00

Rabbit Repellent

S-208 With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 50c, postpaid 70c; 5 lb. bag \$1.75, postpaid \$2.20.

Chaperone Powder Dog Repellent

S-140 A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c, postpaid 60c; 3 oz., \$1.00, postpaid \$1.15.

Chaperone Liquid Dog Repellent

S-139 For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle \$1.00, postpaid \$1.15. 8 oz. can, \$1.50, postpaid \$1.65.

KITTY CHAPERONE

S-142 Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. 1 oz. cone, 50c, postpaid 60c; 3 oz. cone \$1.00, postpaid \$1.15.



S-286 QUICK DEATH TO MOLES, GROUND SQUIRRELS, RATS. Woodchucks and many other destructive burrowing animals. Easy and safe to use—simply light fuse and insert cartridge into holes and runways. TOXIC GASES kill rodents by suffocation and poisoning. Use 1 cartridge every 10 to 15 feet.

Postpaid Prices: 6 Molites \$1; 12 for \$1.75

Lawn Seed, Fancy Grasses and Field Seed

For other Lawn Seed Mixtures, See Page 5. All Prices Prepaid, Except where Specifically Noted.
On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

VAUGHAN'S SPECIAL PURPOSE MIXTURES

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

VAUGHAN'S "COLUMBIAN"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$4.00; 5 lbs., \$6.60; 10 lbs., \$13.00; 15 lbs., \$19.40; 20 lbs., \$25.75; 25 lbs., \$32.00; 100 lbs., \$124.00.

VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$4.00; 5 lbs., \$6.60; 10 lbs., \$13.00; 15 lbs., \$19.40; 20 lbs., \$25.75; 25 lbs., \$32.00; 100 lbs., \$124.00.

VAUGHAN'S EXCEL MIXTURE

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., \$1.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 20 lbs., \$18.75; 25 lbs., \$23.25; 100 lbs., \$89.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.



BENT LAWNS FROM CERTIFIED SEED

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous root-stocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. ½ lb., \$1.10; 1 lb., \$1.85; 2 lbs., \$3.70; 3 lbs., \$5.50; 5 lbs., \$9.00; 10 lbs., \$17.75; 15 lbs., \$26.25; 20 lbs., \$34.60; 25 lbs., \$42.50.

SEASIDE CREEPING BENT GRASS. ½ lb., \$1.15; 1 lb., \$1.95; 2 lbs., \$3.90; 3 lbs., \$5.80; 5 lbs., \$9.50; 10 lbs., \$18.75; 15 lbs., \$27.75; 20 lbs., \$36.60; 25 lbs., \$45.00.

Fancy Kentucky Blue Grass

POA PRATENSIS

FANCY SEED, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, 1 lb., \$1.60; 2 lbs., \$3.20; 3 lbs., \$4.75; 5 lbs., \$7.85; 10 lbs., \$15.50; 15 lbs., \$23.15; 20 lbs., \$30.75; 25 lbs., \$38.25; 50 lbs., \$75.00.

RED TOP GRASS (Agrostis alba)

EXTRA FANCY, re-cleaned solid seed. Price, 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.35; 10 lbs., \$14.50; 15 lbs., \$21.65; 25 lbs., \$35.75; 50 lbs., \$70.00.

WHITE CLOVER

EXTRA FANCY SEED. Price, ¼ lb., 60c; ½ lb., \$1.25; 1 lb., \$2.00; 2 lbs., \$4.00; 3 lbs., \$5.95; 5 lbs., \$9.75; 10 lbs., \$19.25; 15 lbs., \$28.75; 20 lbs., \$37.40; 25 lbs., \$45.75.

All Grasses and Field Seed Prices are Subject to Change Without Notice.

S-119 ARASAN

All grass seed sown in the spring benefits from treatment with a fungicide which enables it to resist diseases which are especially threatening in cold, damp weather. S-119, Arasan, is recommended as a safe and effective fungicide. Price ¼ oz., treats 10 lbs. of grass seed, prepaid 35c; 8 oz., treats 100 lbs. grass seed, \$1.00; prepaid, \$1.15.

Fescues

CHEWINGS FESCUE. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., \$1.10; 3 lbs., \$3.25; 5 lbs., \$5.35; 10 lbs., \$10.50; 25 lbs., \$25.75; 50 lbs., \$42.00.

PENN STATE CHEWINGS FESCUE. An improved variety developed by Penn State College, 1 lb., \$1.40; 3 lbs., \$4.15; 5 lbs., \$6.85; 10 lbs., \$13.50; 25 lbs., \$33.25; 50 lbs., \$57.00.

CREEPING RED FESCUE. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.10; 3 lbs., \$3.25; 5 lbs., \$5.35; 10 lbs., \$10.50; 25 lbs., \$25.75; 50 lbs., \$42.00.

ALTA FESCUE. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, playgrounds and lawns where there is heavy traffic. 1 lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50; 25 lbs., \$10.00.

POA TRIVIALIS (Rough Blue Grass)

A grass for moist, shady spots, 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.35; 10 lbs., \$14.50; 15 lbs., \$21.65; 20 lbs., \$28.75; 25 lbs., \$35.75; 50 lbs., \$70.00.

Miscellaneous

TIMOTHY (PHLEUM PRATENSE). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.50—Postpaid. By Freight collect, ¼ bu., \$6.00; 1 bu., (45 lbs.) \$19.00; 100 lbs., \$35.00. Grain bags included.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE). A lawn grass where quick results are wanted. Price, 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.35; 10 lbs., \$4.50; 15 lbs., \$6.65; 20 lbs., \$8.70; 25 lbs., \$10.75; 50 lbs., \$21.00; 100 lbs., \$40.00.

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BIRD SEED

RAPE. Large—sweet (not bitter like the small black). 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.50.

SUNFLOWER. 1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.65; 25 lbs., \$7.70.

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All Prices Prepaid within 300 miles of Chicago. Otherwise Collect.

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20 Imported Tubers \$2.00
4 each of 5 Colors **PRE-PAID**

THESE ARE THE COLORS:

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VAUGHAN'S FAMOUS *Rainbow Garden of Gladioli*

Fifty-six flowering size bulbs, 1-1 $\frac{1}{4}$ inches in diameter, 8 each of the **\$2**
7 outstanding varieties. Each variety separately bagged and labeled.
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We take pride in making our Rainbow Garden of gladioli the greatest value available to home gardeners.

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I just have to tell you how beautiful our Gladioli were last summer. We had friends from all over that came to our garden to see them, they were just so big and lovely.
Streator, Ill.
Mrs. O.K.

You always have a grand collection of Rainbow Gladioli. My daughter won 2 Blues at a 4-H show with flowers from your bulbs.
Bloomfield, Conn.
K.L.F.

No doubt you receive letters of complaint, but this is a letter of thanks. Last spring I ordered your Rainbow Garden of Gladioli. I have never had such lovely glads. I received many compliments.
Rochester, Ind.
G.A.

These are the Varieties

SPIC AND SPAN (Carlson). Giant deep pink, ruffled florets, big winner at shows.

YELLOW HERALD (Pfitzer). Large flowers of amber yellow with carmine in the throat, well spaced on strong stem.

TOKEN (Crow-Pappes). An early flowering salmon-red with a creamy yellow throat. Excels as a cut flower.

ELIZABETH THE QUEEN (White). Beautiful ruffled lavender, best of its color.

FLORENCE NIGHTINGALE. (Harris) Outstanding new white from Canada. Opens 8 well placed florets on tall, straight spike.

VALERIA (Pruitt) Graceful spike with five to seven large soft red ruffled florets open together.

ETHEL CAVE COLE (Cave). Spectacular spike of delicate pink, consistent show winner.

We were delighted with your Rainbow Collection of Gladioli purchased last year.
Blackstone, Va.
L.G.

I have always had such good success with your bulbs, and received many compliments on the beauty and size of the flowers. I have had glads as high as 4 $\frac{1}{2}$ feet with blossoms up to 7 inches across. They average about 5 inches. I have never been bothered with thrips in any bulbs I received from you.
N. Fond du Lac, Wis.
R.E.G.

This is my fourth order of glads from you this year. They are always good. The first bulbs I bought from you 4 years ago produced bulbs last year that were 3 inches across.
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Mrs. E.H.

Lovely Pink Lily



LILIUM SPECIOSUM RUBRUM

8-9 INCH, 3 FOR \$1.00

This is most beautiful of pink lilies and is also the easiest to grow. It is seldom attacked by disease, and perfectly hardy, living for years in the coldest sections of the country when planted in a well drained place.

It grows slowly, with sturdy stems reaching a height of 4 feet, and blooms in late August and early September, producing clusters of flowers many of which reach 6 inches in diameter.

The frilly petals are white, but so flushed with deep pink that only the margins are clear white; and numerous dots of carmine decorate the petals. These are reflexed, or turned back, while long stamens and pistil project with decorative effect.

It requires no special type of soil, or culture, but grows vigorously in ordinary garden soil which is well drained. Planting instructions are sent with the bulbs.